Kentucky

Agricultural Experiment Station

University of Kentucky

Analyses of Commercial Fertilizers

BULLETIN NO. 290

Lexington, Ky.
December, 1928

EXPERIMENT STATION STAFF

BOARD OF CONTROL

Richard C. Stoll, Chairman, Lexington, Ky.
H. M. Froman, Lexington, Ky.
R. G. Gordon, Louisville, Ky.
J. B. Andrews, Newport, Ky.
James Park, Lexington, Ky.

Frank L. McVey, President

Thomas P. Cooper, Dean and Director

ADMINISTRATION

T. P. Cooper, Director
D. H. Peak, Business Agent
O. L. Ginocchio, Secretary

AGRONOMY

George Roberts, Head
E. J. Kinney, Associate Agronomist
P. E. Karraker, Asst. Agronomist
J. F. Freeman, Asst. Agronomist
W. D. Valleau, Plant Pathologist
E. N. Fergus, Asst. Agronomist
J. B. Kelley, Agricultural Engineer
E. M. Johnson, Asst. Plant Pathologist

ANIMAL HUSBANDRY GROUP

E. S. Good, Chairman
W. S. Anderson, Horses
E. J. Wilford, Swine, Meats
W. J. Harris, Beef Cattle
J. Holmes Martin, Poultry
C. J. Maupin, Poultry Improvement
W. C. Eskew, Cream Grading
George Insko, Cream Grading
Fordyce Ely, Dairy Husbandry
J. W. Nutter, Dairyman
Amanda Harms, Asst. Path. Bact.
G. D. Buckner, Animal Nutrition
W. M. Insko, Jr., Animal Nutrition
Harold Barber, Head Herdsman

ANIMAL PATHOLOGY

W. W. Dimock, Head
Philip R. Edwards, Asst. Bacteriologist
F. E. Hull, Asst. Veterinarian

CHEMISTRY

J. S. McHargue, Acting Head
A. M. Peter, Chemist
S. D. Averitt, Chemist
O. M. Shedd, Chemist
D. J. Healy, Bacteriology
W. R. Roy, Assistant Chemist

CREAMERY LICENSE SECTION

J. D. Foster, Inspector, in Charge
N. J. Howard, Inspector

ENTOMOLOGY AND BOTANY

H. Garman, Head
Mary L. Didlake, Asst. Entomologist
H. H. Jewett, Research Asst. Entgst.
Jessie Terry, Seed Analyst
Lucille Dobbins, Seed Analyst
Eugene Simpson, Inspector

FARM ECONOMICS

W. D. Nicholls, Head
W. G. Finn, Farm Management
W. L. Rouse, Farm Management
R. E. Proctor, Farm Management
Z. L. Galloway

FEED CONTROL

J. D. Turner, Head
H. D. Spears, Chemist
W. G. Terrell, Inspector
Fred Fitschen Inspector
L. V. Amburgey, Microscopist

FERTILIZER CONTROL

H. E. Curtis, Head
Harry Allen, Chemist
Lelah Gault, Asst. Chemist
Robert Mathews, Inspector

HOME ECONOMICS

Mariel Hopkins, Head
Statie Erikson, Assistant

HORTICULTURE

C. W. Mathews, Head
A. J. Olney, Assistant
C. S. Waltman, Assistant

MARKETS AND RURAL FINANCE

O. B. Jesness, Head
Dana G. Card, Marketing
E. C. Johnson, Marketing
K. R. Zent, Marketing

PUBLIC SERVICE LABORATORY

L. A. Brown, Head
A. L. Meader, Assistant Chemist
James H. Martin, Assistant Chemist
E. K. Borman, Bacteriologist
O. H. Pinney, Assistant Bacteriologist

ROBINSON SUBSTATION
(Quicksand, Ky.)

R. W. Jones, Superintendent
C. H. Burrage, Forester
Lula Hale, Field Worker

WESTERN KENTUCKY SUBSTATION
(Princeton, Ky.)

S. J. Lowry, Superintendent

BULLETIN NO. 290

Analyses of Commercial Fertilizers

By H. E. Curtis, H. R. Allen and Lelah Gault

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1928, the names of the manufacturers and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agent, and such literature as bears on the subject in which they are interested will be furnished. Bulletins No. 228 and 272 of the Experiment Station, showing the results obtained on the soil experiment fields, are of special interest to all users of fertilizers.

Samples Analyzed

During the year a total of 724 brands of fertilizer were registered as follows:

Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash	442 brands
Nitrogenous superphosphates	17 brands
Superphosphate and potash mixtures	71 brands
Superphosphates	110 brands
Bones, tankage, etc.	58 brands
Nitrate of soda, sulphate of ammonia, etc.	19 brands
Potash salts	6 brands
Nitrogen and potash salts	1 brand

We have analyzed 743 samples of fertilizer collected by our inspectors or sent in by various persons in the State, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups. The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.

As has been our custom in the past, we have shown an index of relative value for the purpose of comparison. The following factors have been used in computing these values:

Available phosphoric acid in mixed fertilizers	1.5
Available phosphoric acid in superphosphates	1.2
Insoluble phosphoric acid in complete fertilizers	0.4
Insoluble phosphoric acid in nitrogenous superphosphates	0.4
Phosphoric acid in bone	1.0
Nitrogen in all fertilizers	4.0
Potash from muriate	1.2
Potash from sulphate	1.5

Explanation of the Tables.

In the tables of analyses, following the name of each brand, will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturer, and the manufacturer's guaranty, printed last in italic figures. In Table II, the figures set in bold-face type are those results which are considered too low to be acceptable. In a number of cases, the same brand of fertilizer will be found in both Tables I and II—in which case they are marked in each table with a (†) dagger.

There are a number of samples in which the potash is guaranteed from sulphate and the analysis shows the potash classed as muriate. Some of these analyses have been placed in Table I, while others were placed in Table II.

It will be noticed that a number of analyses have been put into Table II on account of the deficiency in total phosphoric acid. This comes from attempting to show a large amount of insoluble phosphoric acid in addition to the guaranty of available phosphoric acid, and, on account of this tendency to show a larger percent of insoluble phosphoric acid than the goods contain, it has been deemed advisable to classify them among the deficient brands of fertilizer, hoping in this manner to induce the manufacturer to change these larger guarantees of 4% or 5% insoluble phosphoric acid to 1% or 2%. The report this year shows quite an improvement in this respect.

Effective January 1, 1927, the following standards were made in an effort to raise the grade of the formulas sold in the State:

1. Complete fertilizers must contain a minimum of 12 percent of ammonia, phosphoric acid and potash, the ammonia and potash being not less than 1 percent each.

2. Ammoniated phosphates must contain 14 percent of ammonia and phosphoric acid, the ammonia being not less than 2 percent.

3. Phosphate and potash mixtures must contain 14 percent of phosphoric acid and potash, the potash being not less than 4 percent.

4. Superphosphates must contain not less than 16 percent of available phosphoric acid.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	A. D. Adair and McCarty Bros.,	**Atlanta and Chattanooga.**
93006	Adair's Soluble Pacific Guano	Manufacturer
		Guaranteed
93007	A. and M. High Grade Tobacco Grower	*
		Guaranteed
93008	A. and M. Special Tobacco and Potato Grower	Manufacturer
		Guaranteed
93009	A. and M. High Grade Potash Compound	Manufacturer
		Guaranteed
93010	A. and M. High Grade Acid Phosphate No. 16	Manufacturer
		Guaranteed
	Alabama Chemical Co., (of Ala.)	**Montgomery, Ala.**
92790	Red Cross Acid and Potash	Manufacturer
		Guaranteed
93427	Red Cross Acid Phosphate	Dairyman's Feed Supply Co., Mayfield..
		Guaranteed
92792	Red Cross Fertilizer	Manufacturer
		Guaranteed
93413	Nitrate of Soda	*
		Guaranteed
	American Agr. Chemical Co., Inc.,	**Cincinnati, O.**
92576	A. A. Paramount Fertilizer	Manufacturer
		Guaranteed
92577	A. A. High Grade Tobacco Grower	Manufacturer
		Guaranteed
92579	A. A. High Potash Tobacco Grower	Manufacturer
		Guaranteed
92580	A. A. Tobacco and Truck Fertilizer	Manufacturer
		Guaranteed
93167	A. A. Kentucky Tobacco Grower..	W. D. Harris Hardware Co., Franklin....
93168		J. N. Berry, Vine Grove
93428		Hill-Lawson, Middlesboro
93429		Gooch and Payne, Eubank
		Guaranteed
92582	A. A. Sure Crop Fertilizer	Manufacturer
		Guaranteed
92583	A. A. Apex Mixture	Manufacturer
		Guaranteed
92584	A. A. 20% Superphosphate	Manufacturer
		Guaranteed
92585	A. A. 16% Superphosphate	Manufacturer
		Guaranteed
93169	A. A. Ground Bone	Hill Hardware Co., Bowling Green
		Guaranteed
93170	A. A. Basic Lime Phosphate	E. S. Ferrill and Sons, Buffalo
93171		Albert Long, Scottsville

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.25	1.30	11.55			1.41	1.83	2.22	2.19		25.9	93006
10.00						*1.65*	*2.00*	*2.00*		*24.0*	
											93007
8.00						*2.47*	*3.00*		*5.00*	*29.4*	
9.25	1.15	10.40			1.06	1.77	2.15	4.52		26.8	93008
8.00						*1.65*	*2.00*	*4.00*		*23.4*	
10.35	0.95	11.30						4.78		21.3	93009
10.00								*4.00*		*19.8*	
17.85	0.60	18.45								21.4	93010
16.00										*19.2*	
10.85	1.35	11.20						4.17		21.3	92790
10.00								*4.00*		*19.8*	
17.85	3.60	21.45								21.4	93427
16.00										*19.2*	
10.40	1.65	12.05			2.56	2.56	3.11	2.91		30.0	92792
10.00	*1.00*	*11.00*				*2.47*	*3.00*	*3.00*		*28.9*	
											93413
						15.00	*18.21*			*60.0*	
8.55	0.95	9.50			2.28	2.49	3.02		6.02	32.2	92576
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
10.70	1.20	11.90			2.16	2.46	2.99		2.90	30.7	92577
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
7.90	1.55	9.45			1.45	1.68	2.04	10.24		31.5	92579
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*10.00*		*31.4*	
9.15	0.80	9.95			1.34	1.61	1.95	0.60	4.64	28.4	92580
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
10.85	2.00	12.85			1.44	1.68	2.04	1.94		26.1	93167
11.50	1.55	13.05			1.53	1.80	2.19	1.96		27.4	93168
11.15	2.10	13.25			1.31	1.61	1.95	2.08		26.5	93428
11.25	1.30	12.55			1.42	1.73	2.10	2.17		26.9	93429
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
8.65	0.90	9.55			0.84	0.84	1.02	4.19		21.7	92582
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
14.00	1.85	15.85						4.15		26.0	92583
14.00								*4.00*		*25.8*	
20.15	2.20	22.35								24.2	92584
20.00										*24.0*	
16.65	1.80	18.45								20.0	92585
16.00										*19.2*	
		29.00	65	35		1.97	2.39			36.9	93169
		27.00				*1.65*	*2.00*			*33.6*	
14.45	1.40	15.85								17.3	93170
14.30	1.90	16.20								17.2	93171

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	American Agr. Chemical Co., Inc., Cincinnati, Ohio—Con.	
93172	A. A. Basic Lime Phosphate	Lebanon Carriage and Impl. Co., Lebanon
93421		Henshaw Bros., Goshen
93430		J. W. Schoolcraft, Somerset
83772		Clem Keltner, Campbellsville
93773		E. S. Ferrill and Sons, Buffalo
		Guaranteed
93774	†Agrico Fertilizer for Grain	Clem Keltner, Campbellsville
		Guaranteed
93174	Bowker's Paramount Fertilizer	J. N. Berry, Vine Grove
93432		Bokhara Seed Co., Falmouth
93434		Hill-Lawson, Middlesboro
		Guaranteed
93433	Bowker's High Grade Tobacco Grower	Bokhara Seed Co., Falmouth
		Guaranteed
93435	Bowker's High Potash Tobacco Grower	Hill-Lawson, Middlesboro
		Guaranteed
93175	Bowker's Tobacco Grower	J. N. Berry, Vine Grove
		Guaranteed
93436	Bowker's Harvest Queen Fertilizer	Gooch and Payne, Eubank
		Guaranteed
92594	Bowker's Apex Mixture	Manufacturer
		Guaranteed
92595	Bowker's 20% Superphosphate	Manufacturer
		Guaranteed
93176	Bowker's 16% Superphosphate	J. N. Berry, Vine Grove
93776		J. W. Schoolcraft, Somerset
		Guaranteed
93177	†Michigan Carbon Paramount Fertilizer	Woodson Lewis and Son, Greensburg
93437		C. P. Clark and Sons, Owensboro
93439		J. W. Schoolcraft, Somerset
		Guaranteed
93178	Michigan Carbon Homestead Tobacco Grower	Geo. L. Gillum and Son, Russellville
93179		Burks and Conner, Upton
93180		Woodson Lewis and Son, Greensburg
93181		Clem Keltner, Campbellsville
93182		Lebanon Carriage and Impl. Co., Lebanon
		Guaranteed
93183	Michigan Carbon Homestead Bone Black Fertilizer	Albert Long, Scottsville
93184		Lebanon Carriage and Impl. Co., Lebanon
93185		E. S. Ferrill and Sons, Buffalo
93186		Clem Keltner, Campbellsville
93777		J. W. Schoolcraft, Somerset
93778		A. W. Tarter, Columbia
93779		Lebanon Carriage and Impl. Co., Lebanon

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
13.30	2.40	15.70								16.0	93172
13.15	2.45	15.60								15.8	93421
14.40	2.05	16.45								17.3	93430
13.65	1.85	15.50								16.4	93772
14.40	1.50	15.90								17.3	93773
13.00										*15.6*	
12.25	2.00	14.25			1.66	1.66	2.02	3.98		30.6	93774
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*4.00*		*29.6*	
9.15	1.85	11.00			2.10	2.53	3.07		5.74	33.2	93174
9.25	0.95	10.20			2.11	2.41	2.93	0.84	4.70	32.0	93432
8.55	0.85	9.40			2.41	2.41	2.93	0.92	5.20	31.7	93434
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
12.10	1.20	13.30			2.05	2.46	2.99		2.72	32.6	93433
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
8.75	1.35	10.10			1.37	1.61	1.95	9.46		31.5	93435
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*10.00*		*31.4*	
8.75	1.40	10.15			1.47	1.70	2.06		5.14	28.2	93175
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
9.80	1.25	11.05			0.70	0.93	1.13	4.02		23.7	93436
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
14.00	1.85	15.85						4.15		26.0	92594
14.00								*4.00*		*25.8*	
20.15	2.20	22.35								24.2	92595
20.00										*24.0*	
16.90	1.60	18.50								20.3	93176
17.55	1.40	18.95								21.1	93776
16.00										*19.2*	
7.90	2.60	10.50			2.02	2.55	3.10		5.90	31.9	93177
8.95	0.90	9.85			2.39	2.39	2.90	1.00	4.96	32.0	93437
8.35	2.10	10.45			2.05	2.58	3.13		5.92	32.6	93439
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
11.20	1.50	12.70			2.09	2.49	3.02		3.05	31.9	93178
10.30	2.00	12.30			2.14	2.55	3.10		2.90	30.8	93179
11.05	1.50	12.55			2.04	2.47	3.00		2.96	31.5	93180
11.15	1.35	12.50			2.13	2.49	3.02		2.90	31.6	93181
10.90	1.45	12.35			2.12	2.44	2.96		2.99	31.2	93182
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
8.20	2.20	10.40			1.74	2.14	2.60	1.51		23.6	93183
8.65	1.60	10.25			1.75	2.09	2.54	1.62		23.9	93184
8.75	1.45	10.20			1.83	2.14	2.60	1.58		24.2	93185
7.95	2.00	9.95			1.67	2.00	2.43	1.82		22.9	93186
8.50	1.35	9.85			1.74	1.96	2.38	1.62		23.1	93777
8.80	1.15	9.95			1.60	1.83	2.22	1.70		23.0	93778
9.10	1.15	10.25			1.62	1.91	2.32	1.81		23.9	93779

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	American Agr. Chemical Co., Inc., Cincinnati, Ohio—Con.	
93871	Michigan Carbon Homestead Bone Black Fertilizer	R. A. Mayhew Feed Co., Franklin
		Guaranteed
93440	†Michigan Carbon Homestead High Potash Tobacco Grower	Greenup Milling Co., Grayson
93441		W. H. Broach, Murray
		Guaranteed
93188	Michigan Carbon Homestead Potato and Tobacco Special	Hill Hardware Co., Bowling Green
93189		Herbert Long, Scottsville
93190		A. W. Tarter, Columbia
		Guaranteed
93191	Michigan Carbon Red Line Complete Manure	Clem Keltner, Campbellsville
93192		Albert Long, Scottsville
93443		J. W. Schoolcraft, Somerset
93780		J. W. Schoolcraft, Somerset
93781		J. B. Hubbard, Munfordville
		Guaranteed
93444	Michigan Carbon Apex Mixture	Crab Orchard Lumber Co., Crab Orchard
		Guaranteed
93445	Michigan Carbon 20% Superphosphate	Greenup Milling Co., Grayson
93446		Morganfield Hdw. and Groc. Co., Morganfield
93872		H. D. Jones, Glasgow
93873		R. W. Wilson, Auburn
		Guaranteed
93193	Michigan Carbon 16% Superphosphate	Lebanon Carriage and Impl. Co., Lebanon
93194		Albert Long, Scottsville
93195		A. W. Tarter, Columbia
93196		Burke and Conner, Upton
93782		A. W. Tarter, Columbia
93783		Norris and Norment Co., Henderson
93904		Denton Hardware Co., Madisonville
		Guaranteed
93447	N-W Horseshoe Paramount Fertilizer	William Addams, Cynthiana
		Guaranteed
93448	N-W Horseshoe H. Gr. Tobacco Grower	Geo. W. Hill, Covington
		Guaranteed
93449	N-W Horseshoe High Potash Tobacco Grower	A. B. Sellers, Sebree
		Guaranteed

TABLE 1.

PHOSPHORIC ACID			Percentage of Fineness		NITROGEN			POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
8.41	1.75	10 20			1.56	1.78	2 16	2.95		23 9	93271
8.00	2.00	10 00				2.06	2 50	1.50		22 8	
8.50	1.15	10 05			1.51	1.74	2 11	10.34		33 2	93340
8.85	1.40	9 85			1.56	1.79	2 17	10.03		32 7	93341
8.00	2.00	10 00				1.65	2 00	10.00		31 4	
9.10	1.00	10 10			1.47	1.70	2 06	0.56	4 52	28 5	93188
8.00	1.25	10 25			1.39	1.70	2 06	0.68	4 81	28 5	93189
8.70	1.70	10 40			1.28	1.60	1 94	0.52	4 43	27 4	93190
8.00	2.00	10 00				1.65	2 00		5 00	26 9	
8.30	1.40	9 70			0.80	0.80	0 97	4.21		21 3	93191
8.05	0.45	8 50			0.83	0.83	1 01	4.19		22 1	93192
8.75	1.00	9 75			0.79	0.79	0 96	3.92		21 4	93443
8.30	1.05	9 35			0.78	0.78	0 95	3.85		21 5	93780
8.10	1.40	9 50			0.56	0.79	0 96	3.98		20 7	93781
8.00	2.00	10 00				0.82	1 00	4.00		20 9	
14.45	2.15	16 80						4.31		27 2	93444
14.00								4.00		27 8	
21.45	2.30	23 95								28 0	93445
20.80	2.55	23 35								25 0	93446
20.75	2.00	23 85								24 9	93872
20.75	1.50	22 25								23 9	93873
20.00										24 0	
16.40	2.00	18 80								19 9	93193
16.80	1.70	18 50								20 2	93194
17.15	1.70	18 80								20 5	93195
16.80	1.70	18 80								20 3	93196
17.14	1.50	18 25								21 3	93782
17.00	1.85	18 80								21 2	93783
16.45	2.05	18 50								21 1	93804
16.00										19 2	
9.41	1.15	10 25			2.12	2.46	2 99	0.76	5 02	32 5	93347
8.00	2.00	10 00				2.47	3 00		6 00	31 7	
14.70	1.40	16 10			1.80	2.50	2 91		2 72	32 1	93344
20.00	2.00	22 00				2.47	3 00		3 00	30 2	
8.20	1.90	10 10			1.33	1.71	2 08	3 72		32 6	93345
8.00	2.00	10 00				1.65	2 00	10 00		31 4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	American Agri. Chemical Co., Inc.,	**Cincinnati, Ohio—Con.**
93197	N-W Horseshoe Tobacco Grower....	W. D. Harris Hdw. Co., Franklin.....
		Guaranteed .....
93198	N-W Horseshoe Challenge Corn Grower	E. S. Ferrill and Sons, Buffalo.....
93450		Grayson Co. Supply Co., Leitchfield.....
93905		Grayson Co. Supply Co., Leitchfield.....
		Guaranteed .....
93199	N-W Horseshoe Dark Tobacco Grower	E. S. Ferrill and Sons, Buffalo.....
93200		W. D. Harris Hardware Co., Franklin....
93201		Woodson Lewis and Son, Greensburg....
93451		Geo. W. Hill, Covington.....
93784		J. W. Schoolcraft, Somerset.....
		Guaranteed .....
92612	N-W Horseshoe Apex Mixture.....	Manufacturer .....
		Guaranteed .....
92613	N-W Horseshoe 20% Superphosphate	Manufacturer .....
		Guaranteed .....
93202	N-W Horseshoe 16% Superphosphate	W. D. Harris Hdw. Co., Franklin.....
93203		E. S. Ferrill and Sons, Buffalo.....
93204		Woodson Lewis and Son, Greensburg.....
		Guaranteed .....
93205	N-W Horseshoe Corn and Wheat Phosphate	E. S. Ferrill and Sons, Buffalo.....
93785		E. S. Ferrill and Sons, Buffalo.....
		Guaranteed .....
	Anglo-Chilean Nitrate Sales Corp.,	**New York City, N. Y.**
93931	Nitrate of Soda	* .....
		Guaranteed .....
	The Armour Fertilizer Works,	**Cincinnati, Nashville, Jeffersonville.**
93207	†Big Crop 4-16-4 Fertilizer.....	Miller Hardware Co., Scottsville.....
93452		J. S. Duke, Crab Orchard.....
93453		Brent and Co., Paris.....
93786		T. J. Turley Co., Owensboro.....
		Guaranteed .....
93208	Big Crop 2-16-8 Fertilizer.....	J. Stotz, Greenville.....
		Guaranteed .....
93209	†Big Crop High Analysis Burley Tobacco Grower	Atkins Bros., Greensburg.....
93210		Henderson and Hardy Co., Shepherdsville .....
93455		Anderson and Spilman, Danville.....
		Guaranteed .....

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.05	1.70	10.75			1.31	1.64	1.99	0.52	4.51	28.2	93197
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
10.50	1.80	12.30			1.35	1.61	1.95	2.06		25.6	93198
10.55	1.80	12.35			1.39	1.68	2.04	2.16		25.9	93450
9.95	1.75	11.70			1.68	1.68	2.04	2.06		24.8	93905
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
9.15	1.10	10.25			0.82	0.82	1.00	4.23		22.5	93199
8.90	1.10	10.00			0.90	0.90	1.09	4.64		23.0	93200
8.20	1.40	9.60			0.81	0.81	0.98	3.92		20.8	93201
9.35	0.75	10.10			0.93	0.93	1.13	4.12		23.0	93451
8.05	1.40	9.45			0.74	0.90	3.93			20.3	93784
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
14.00	1.85	15.85						4.15		26.0	92612
14.00								*4.00*		*25.8*	
20.15	2.20	22.35								24.2	92613
20.00										*24.0*	
17.20	2.25	19.45								20.6	93202
17.05	1.95	19.00								20.5	93203
17.00	2.05	19.05								20.4	93204
16.00										*19.2*	
10.50	1.35	11.85			1.10	1.10	1.34	1.21		22.1	93205
10.20	1.50	11.70			0.85	0.85	1.03	1.10		20.6	93785
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
											93931
						15.50	*18.82*			*62.0*	
15.95	1.50	17.45			3.50	3.50	4.25	5.53		45.2	93207
16.30	0.85	17.15			3.25	3.25	3.95	4.19		42.8	93452
17.40	1.10	18.50			3.54	3.54	4.30	4.57		46.2	93453
16.10	1.45	17.55			3.25	3.25	3.95	4.07		42.6	93786
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
16.95	1.35	18.30			1.74	1.74	2.11	9.02		42.1	93208
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*8.00*		*40.4*	
12.45	1.30	13.75			2.68	3.49	4.24	0.84	7.37	45.2	93209
13.05	0.95	14.00			2.66	3.46	4.20		7.37	44.9	93210
12.45	1.55	14.00			2.77	3.58	4.35	0.80	7.57	45.9	93455
12.00	*0.50*	*12.50*				*3.29*	*4.00*		*8.00*	*43.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Armour Fertilizer Works, Cin-	**cinnati, Nashville, Jeffersonville—Con.**
93456	Big Crop 3-18-3 Fertilizer	J. W. Schoolcraft, Somerset
		Guaranteed
92675	Big Crop 2-12-6 Fertilizer	Manufacturer
		Guaranteed
93211	Big Crop 2-12-2 Fertilizer	Atkins Bros., Greensburg
93788		Atkins Bros., Greensburg
		Guaranteed
92677	Big Crop 3-10-3 Fertilizer	Manufacturer
		Guaranteed
93212	Big Crop Burley Tobacco Grower	Henderson and Hardy Co., Shepherdsville
93213		Atkins Bros., Greensburg
93457		Humlong and Wheat, Germantown
		Guaranteed
93459	†Big Crop Plant Bed Special	Carlisle Coal and Lumber Co., Carlisle
		Guaranteed
92680	Big Crop 0-12-4 Fertilizer	Manufacturer
		Guaranteed
93214	Big Crop 0-16-8 Fertilizer	R. W. Wilson, Auburn
93789		McLean County Hdw. Co., Livermore
93790		Forbes Manufacturing Co., Hopkinsville
		Guaranteed
93460	Big Crop Bone Meal	J. W. Schoolcraft, Somerset
		Guaranteed
93461	Big Crop Raw Bone	R. D. Bradley, Mayfield
		Guaranteed
93160	Big Crop 16% Acid Phosphate	Western Ky. Sub-Experiment Station, Princeton
93215		Pulley and Foley, Central City
93216		A. W. Tarter, Columbia
93462		Jasper Produce Co., Science Hill
93791		W. E. Ellis and Bro., Hartford
93792		E. T. Ford, Cave City
93793		Humphrey Bros., Bloomfield
93794		Taylor County Sup. Co., Campbellsville
		Guaranteed
93463	Big Crop 20% Superphosphate	T. J. Turley Co., Owensboro
93464		Sweeney Bros., Lawrenceburg
93465		Humlong and Wheat, Germantown
93795		Atkins Bros., Greensburg
		Guaranteed
93217	Armour's 2-8-2 Fertilizer	Henderson and Hardy Co., Shepherdsville
93466		Liberty Hardware Co., Liberty
93467		W. E. Ellis and Bro., Hartford
93468		The C. S. Brent Seed Co., Lexington
93796		T. J. Turley Co., Owensboro

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
18.30	1.00	19.30			2.63	2.63	3.19	3.41		42.5	93456
18.00	*0.50*	*18.50*				*2.47*	*3.00*	*3.00*		*40.7*	
13.60	0.90	14.50			2.39	2.39	2.90	6.53		38.2	92675
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*6.00*		*32.0*	
12.15	1.20	13.35			1.74	1.74	2.11	2.09		28.2	93211
12.50	0.90	13.40			1.58	1.58	1.92	2.06		27.9	93788
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
10.50	8.05	18.55			2.29	2.59	3.14	3.49		33.5	92677
10.00	*0.50*	*10.50*				*2.47*	*3.00*	*3.00*		*28.7*	
8.75	0.45	9.20			1.83	2.40	2.91	0.80	5.27	31.8	93212
8.30	0.80	9.10			1.83	2.40	2.91	0.88	5.14	31.1	93213
8.45	0.70	9.15			1.46	2.30	2.79	1.04	5.26	31.3	93457
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
8.65	0.75	9.40			2.46	3.22	3.91		2.87	29.6	93459
8.00	*0.50*	*8.50*				*3.29*	*4.00*		*3.00*	*29.9*	
12.00	6.60	18.60						4.91		23.9	92680
12.00								*4.00*		*22.8*	
17.05	1.25	18.30						8.75		36.1	93214
16.40	1.10	17.50						8.52		34.8	93789
16.65	0.90	17.55						8.48		35.2	93790
16.00								*8.00*		*33.6*	
		27.30	90	10		2.42	2.94			37.0	93460
		27.00				*2.47*	*3.00*			*36.9*	
		24.80	100			3.84	4.66			40.2	93461
		22.00				*3.71*	*4.50*			*36.8*	
16.25	2.35	18.60								19.5	93160
17.55	2.00	19.55								21.1	93215
17.15	0.70	17.85								20.6	93216
17.10	1.30	18.40								20.5	93462
16.65	3.60	20.25								20.0	93791
16.95	1.35	18.30								20.3	93792
16.15	1.35	18.50								19.4	93793
16.80	1.40	18.20								20.2	93794
16.00										*19.2*	
20.40	0.60	21.00								24.5	93463
21.50	0.30	21.80								25.8	93464
21.55	0.85	22.40								25.9	93465
20.80	1.15	21.95								25.0	93795
20.00										*24.0*	
8.10	0.55	8.65			1.62	1.62	1.97	2.06		21.3	93217
9.45	0.50	9.95			1.60	1.60	1.94	2.19		23.4	93466
10.55	5.20	15.75			2.17	2.17	2.63	3.29		30.5	93467
7.95	1.35	9.30			1.63	1.63	1.98	1.97		21.4	93468
9.70	6.25	15.95			1.94	1.94	2.36	2.31		27.6	93796

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Armour Fertilizer Works, Cincinnati, Nashville, Jeffersonville—Con.	
93797	Armour's 2-8-2 Fertilizer	Atkins Bros., Greensburg
93874		Wilson, Winn and Co., Russellville
93166		Roy Read, Sonora
		Guaranteed
93469	Armour's 1-12-1 Fertilizer	J. S. Duke, Crab Orchard
		Guaranteed
93470	Big Crop Dark Tobacco Grower	Garrett Jett, Brooksville
		Guaranteed
93472	Armour's Big Crop 4-12-8 Fertilizer	Atherton, Kidd Co., Livermore
93473		Jackson Hdw. and Grocery Co., Dixon
		Guaranteed
92690	Armour's Bonus "A" Humus	Manufacturer
		Guaranteed
93218	†Big Crop Big Tobacco Maker	Wilson, Winn and Co., Russellville
		Guaranteed
93475	Big Crop Farmer's Pride	Forbes Manufacturing Co., Hopkinsville
93476		Lambert-Gresham Hdw. Co., Henderson
		Guaranteed
93219	†Big Crop Old Black Joe	Pulley and Foley, Central City
93477		Frank D. Brooks, Whitesville
		Guaranteed
93478	Big Crop 16% Superphosphate	T. J. Turley Co., Owensboro
		Guaranteed
93077	Big Crop 5-15-5 Fertilizer	Manufacturer
		Guaranteed
93083	Big Crop 2-12-10 Fertilizer	Manufacturer
		Guaranteed
93086	Armour's Big Crop 2-10-4 Fertilizer	Manufacturer
		Guaranteed
93479	Armour's Big Crop Potato Grower	Feltner and Smith, London
		Guaranteed
93089	Big Crop 5-15-10 Fertilizer	Manufacturer
		Guaranteed
93146	Armour's 1-10-1 Fertilizer	Manufacturer
		Guaranteed
93156	Armour's Big Crop 7½-8-5	Manufacturer
		Guaranteed
93157	Armour's 1-8-4 Fertilizer	Manufacturer
		Guaranteed
93480	Big Crop 4-12-0 Fertilizer	Wm. Shanks, Dover
		Guaranteed
93799	Big Crop 32% Superphosphate	Atkins Bros., Greensburg
		Guaranteed
93755	Armour's Multiphos	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
7.95	0.75	8.70			1.58	1.58	1.92	2.12		21.1	93797
8.60	7.80	16.40			1.63	1.63	1.98	1.93		24.9	93874
8.10	0.40	8.50			1.28	1.56	1.89	2.01		21.0	93166
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
13.50	1.10	14.60			0.77	1.04	1.26	1.69		26.9	93469
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
9.70	0.40	10.10			0.65	1.38	1.68	1.48	2.65	26.0	93470
8.00	*0.50*	*8.50*				*1.65*	*2.00*		*4.00*	*24.8*	
12.80	1.10	13.90			3.24	3.24	3.93	8.77		43.1	93472
13.00	2.90	15.90			3.24	3.24	3.93	8.36		43.7	93473
12.00	*0.50*	*12.50*				*3.29*	*4.00*	*8.00*		*41.0*	
13.95	0.90	14.85			1.78	1.78	2.16			28.4	92690
12.00	*0.50*	*12.50*				*1.65*	*2.00*			*24.8*	
9.45	3.45	12.90			1.80	2.33	2.83	3.68	2.24	32.7	93218
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
10.35	8.40	18.75			1.90	2.43	2.95	3.14		32.4	93475
10.05	8.50	18.55			1.97	2.47	3.00	3.32		32.3	93476
10.00	*0.50*	*10.50*				*2.47*	*3.00*	*3.00*		*28.7*	
8.60	11.40	20.00			1.54	1.54	1.87	4.02		28.4	93219
8.65	10.75	19.40			1.34	1.67	2.03	4.29		29.1	93477
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*4.00*		*23.6*	
16.65	2.50	19.15								20.0	93478
16.00										*19.2*	
15.20	0.95	16.15			4.79	4.79	5.82	6.25		49.8	93077
15.00	*0.50*	*15.50*				*4.12*	*5.00*	*5.00*		*45.2*	
12.45	1.60	14.05			1.25	1.64	1.99	11.27		39.4	93083
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*10.00*		*36.8*	
10.30	1.10	11.40			1.80	1.80	2.19	4.31		28.3	93086
10.00	*0.50*	*10.50*				*1.65*	*2.00*	*4.00*		*26.6*	
8.90	0.85	9.75			1.54	2.43	2.95	0.88	4.69	31.5	93479
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
15.50	0.75	16.25			4.25	4.25	5.16		10.63	56.5	93089
15.00	*0.50*	*15.50*				*4.12*	*5.00*		*10.00*	*54.2*	
10.35	1.05	11.40			0.69	0.96	1.17	0.80	0.96	22.2	93146
10.00	*0.50*	*10.50*				*0.82*	*1.00*	*1.00*		*19.7*	
8.75	0.45	9.20			7.46	7.46	9.06		5.35	51.2	93156
8.00	*0.50*	*8.50*				*6.18*	*7.50*		*5.00*	*44.4*	
9.10	0.60	9.70			0.95	0.95	1.15	4.56		23.2	93157
8.00	*0.50*	*8.50*				*0.82*	*1.00*	*4.00*		*20.3*	
13.25	0.75	14.00			2.60	3.21	3.90			33.0	93480
12.00	*0.50*	*12.50*				*3.29*	*4.00*			*31.4*	
31.25	0.95	32.20								37.5	93799
32.00										*38.4*	
45.15	1.45	46.60								54.2	93755
45.00										*54.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Armour Fertilizer Works, Cin-	**cinnati, Nashville, Jeffersonville—Con.**
93800	Big Crop 24% Superphosphate.....	T. J. Turley Co., Owensboro.....
		Guaranteed .....
93935	Big Crop 0-10-4 Fertilizer.....	* .....
		Guaranteed .....
	The Barrett Co.,	**New York City, N. Y.**
92785	Arcadian Sulphate of Ammonia....	Manufacturer .....
		Guaranteed .....
92786	Sulphate of Ammonia.....	* .....
		Guaranteed .....
93932	Arcadian Nitrate of Soda.....	Manufacturer .....
		Guaranteed .....
	The Buhner Fertilizer Co.,	**Seymour, Ind.**
93221	†Buhner's Special Tobacco Grower	A. W. Tarter, Columbia.....
		Guaranteed .....
93483	†Buhner's H. Gr. Tobacco Grower (Muriate)	Lexington Seed Co., Lexington.....
		Guaranteed .....
93222	Buhner's Potato and Tob. Grower	L. H. Lee, Elizabethtown.....
93223		J. H. and J. L. Lyon, Loretto.....
93224		S. S. Skaggs, Magnolia.....
		Guaranteed .....
93484	Buhner's Ideal Tobacco Grower (Muriate)	Patrick Dillon, Hardinsburg.....
		Guaranteed .....
92539	Buhner's H. Gr. Tobacco Grower (Sulphate)	* .....
		Guaranteed .....
92540	Buhner's Ideal Tobacco Grower (Sulphate)	* .....
		Guaranteed .....
92541	Buhner's Special Potato Grower....	Manufacturer .....
		Guaranteed .....
92543	Buhner's Potato Grower	Manufacturer .....
		Guaranteed .....
93485	Buhner's Grain Grower	Lexington Seed Co., Lexington.....
		Guaranteed .....
93226	Buhner's Wheat and Corn Special	A. W. Tarter, Columbia.....
93227		J. H. and J. L. Lyon, Loretto.....
93228		Van Cleve and Moore, Cave City.....
		Guaranteed .....
93229	Buhner's Phosphate and Lime with Tankage Mixture (40% Lime)	Van Cleve and Moore, Cave City.....
93230		J. H. and J. L. Lyon, Loretto.....
		Guaranteed .....
93232	†Buhner's Special Crop Grower (½ Bone)	J. H. and J. L. Lyon, Loretto.....
93233		Van Cleve and Moore, Cave City.....
		Guaranteed .....

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
24.55	1.30	25.85								29.5	93800
24.00										*28.8*	
											93935
10.00							*4.00*			*19.8*	
						20.68	25.10			82.7	92785
						20.75	*25.19*			*83.0*	
											92786
						20.50	*24.88*			*82.0*	
						16.00	19.42			64.0	93932
						16.25	*19.73*			*65.0*	
16.15	1.35	17.50			3.07	3.07	3.73	4.48		42.4	93221
16.00						*3.29*	*4.00*	*4.00*		*42.0*	
8.05	1.25	9.30			1.78	2.19	2.66	6.82		29.5	93483
8.00						*2.47*	*3.00*	*6.00*		*29.1*	
10.15	2.10	12.25			2.21	2.21	2.68	4.21		30.0	93222
10.25	1.60	11.85			2.18	2.18	2.65	4.66		30.3	93223
9.95	1.15	11.10			1.37	2.19	2.66	4.81		29.9	93224
10.00						*2.47*	*3.00*	*4.00*		*29.7*	
9.65	0.90	10.55			0.67	1.05	1.27	6.15		26.4	93484
8.00						*0.82*	*1.00*	*6.00*		*22.5*	
											92539
8.00						*2.47*	*3.00*		*6.00*	*30.9*	
											92540
8.00						*0.82*	*1.00*		*6.00*	*24.3*	
9.40	2.00	11.40			2.42	3.43	4.16	3.08	1.75	35.0	92541
8.00						*3.29*	*4.00*	*4.00*		*30.0*	
8.25	2.45	10.70			0.87	1.64	1.99	6.32		27.5	92543
8.00						*1.65*	*2.00*	*5.00*		*24.6*	
9.00	1.10	10.10			0.95	1.35	1.64	2.12		21.9	93485
8.00						*1.65*	*2.00*	*2.00*		*21.0*	
12.75	1.40	14.15			0.73	0.73	0.89	0.84		23.6	93226
13.00	1.40	14.40			0.20	0.74	0.90	1.03		24.3	93227
12.15	1.35	13.50			0.28	0.84	1.02	1.12		23.5	93228
11.00						*0.82*	*1.00*	*1.00*		*21.0*	
10.70	2.70	13.40								12.8	93229
10.75	2.25	13.00								12.9	93230
10.00										*12.0*	
7.95	3.25	11.20			1.23	1.73	2.10	6.48		27.9	93232
8.40	3.40	11.80			0.96	1.70	2.06	6.40		28.4	93233
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*6.00*		*27.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Buhner Fertilizer Co.,	**Seymour, Ind.—Con.**
92551	Buhner's Steam Bone	Manufacturer
		Guaranteed
93234	Buhner's 16% Superphosphate (Acid)	S. S. Skaggs, Magnolia
93235		A. W. Tarter, Columbia
93486		Lexington Seed Co., Lexington
		Guaranteed
92553	Buhner's 20% Superphosphate (Acid)	Manufacturer
		Guaranteed
92826	Buhner's H. Gr. Potato and Tobacco Grower 4-10-6	*
		Guaranteed
	Bunton and Huber Co., Louisville, Ky.	
92895	B. and H. A-1 Potato Grower 3-8-6	Manufacturer
		Guaranteed
92896	B. and H. Tobacco Grower 2-8-2	Manufacturer
		Guaranteed
92897	B. and H. H. Gr. Vegetable Grower 4-10-0	Manufacturer
		Guaranteed
92898	B. and H. Trucker's Special 2-10-4	Manufacturer
		Guaranteed
92899	B. and H. Champion Potato Fertilizer 4-10-4	Manufacturer
		Guaranteed
92900	B. and H. Special Grain Grower 2-16-2	Manufacturer
		Guaranteed
92901	B. and H. Corn and Wheat Special 1-10-1	Manufacturer
		Guaranteed
92902	B. and H. 16% Superphosphate	Manufacturer
		Guaranteed
92903	B. and H. Lawn and Garden Fertilizer 5-9-4	Manufacturer
		Guaranteed
92904	B. and H. Bone Meal 1¼-30-0	Manufacturer
		Guaranteed
92905	B. and H. Raw Bone 4½-22-0	Manufacturer
		Guaranteed
	Calumet Fertilizer Corporation, New Albany, Ind.	
93061	Calumet Br. Four Twenty-Four Four	Manufacturer
		Guaranteed
93062	Calumet Br. Four Twenty-Four Twelve	Manufacturer
		Guaranteed
93487	Calumet Br. H. Gr. Tobacco and Truck Grower	L. C. Goering and Son, Hawesville
		Guaranteed
93064	Calumet Br. Two Twelve Six	Manufacturer
		Guaranteed
93488	Calumet Br. Two Twelve Two	G. W. Richardson, Somerset
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
		24.20	67	33		3.08	3.74			36.5	92551
		24.00				*2.47*	*3.00*			*33.9*	
15.95	0.40	16.35								19.1	93234
16.10	1.40	17.50								19.3	93235
16.20	1.70	17.90								19.4	93486
16.00										*19.2*	
21.25	1.20	22.45								25.5	92553
20.00										*24.0*	
											92826
10.00						*3.29*	*4.00*	*6.00*		*35.4*	
10.20	4.75	14.95			3.01	3.39	4.12	0.96	7.25	42.8	92895
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
10.15	9.90	20.05			2.46	2.46	2.99	3.11		32.8	92896
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
12.20	3.70	15.90			5.40	5.40	6.56			41.4	92897
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
11.80	4.40	16.20			2.96	2.96	3.59	6.93		39.6	92898
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
11.85	2.50	14.35			4.55	4.55	5.52	6.29		44.5	92899
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
18.85	0.85	19.70			2.46	2.46	2.99	4.03		43.3	92900
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
12.30	8.15	20.45			1.52	1.52	1.85	2.35		30.6	92901
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
17.60	3.25	20.85								21.1	92902
16.00										*19.2*	
11.40	1.40	12.80			5.71	5.71	6.93	7.39		49.4	92903
9.00	*2.00*	*11.00*				*4.12*	*5.00*	*4.00*		*35.6*	
		32.85	80	20		0.72	0.87			35.7	92904
		30.00				*1.03*	*1.25*			*34.1*	
		24.10	100			4.22	5.12			41.0	92905
		22.00				*3.71*	*4.50*			*36.8*	
24.10	1.90	26.00			3.01	3.48	4.22	4.56		56.3	93061
24.00	*2.00*	*26.00*				*3.29*	*4.00*	*4.00*		*54.8*	
23.30	1.70	25.00			3.32	3.64	4.42	12.55		65.3	93062
24.00	*2.00*	*26.00*				*3.29*	*4.00*	*12.00*		*64.4*	
12.10	2.30	14.40			1.90	2.46	2.99	4.00		33.7	93487
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
12.15	2.75	14.90			1.19	1.64	1.99	6.02		33.1	93064
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
12.00	2.35	14.35			1.23	1.61	1.95	2.05		27.8	93488
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Calumet Fertilizer Corporation,	**New Albany, Ind.—Con.**
93066	Calumet Br. Otto Voyles Two in One	Manufacturer Guaranteed
93067	Calumet Br. Ky. Tobacco Grower..	Manufacturer Guaranteed
93489	Calumet Br. Potato and Tobacco Special	G. W. Richardson, Somerset Guaranteed
93801	Calumet Br. Corn and Wheat Special	G. W. Richardson, Somerset Guaranteed
93071	Calumet Br. Twelve Twelve	Manufacturer Guaranteed
93072	Calumet Br. Ten Ten Hummer	Manufacturer Guaranteed
93802	Calumet Br. 16% Superphosphate (Acid Phosphate)	G. W. Richardson, Somerset Guaranteed
93490	Calumet Br. Superphosphate 20%	G. W. Richardson, Somerset
93803		G. W. Richardson, Somerset Guaranteed
93075	Calumet Br. Double Superphosphate	Manufacturer Guaranteed
93491	Calumet Br. Tobacco Grower	L. C. Goering and Sons, Hawesville Guaranteed
93492	Calumet Br. Ten Five	G. W. Richardson, Somerset Guaranteed
93124	Calumet Br. Muriate of Potash	Manufacturer Guaranteed
93125	Calumet Br. Nitrate of Soda	Manufacturer Guaranteed
	Cleveland Agricultural Chem. Co.,	**New Albany, Ind.**
92841	Cleveland's 16% Phosphate	Manufacturer Guaranteed
92842	Cleveland's 20% Phosphate	Manufacturer Guaranteed
93493	Cleveland's Potato and Tobacco Grower	J. H. Mitchell, Corbin Guaranteed
92844	Cleveland's Superior Soil Special	Manufacturer Guaranteed
92845	Cleveland's Quality Bone Black	Manufacturer Guaranteed
93494	Cleveland's All Crop Formula	J. H. Mitchell, Corbin Guaranteed
92847	Cleveland's Potash Manure	Manufacturer Guaranteed
92848	Cleveland's High Grade Potash	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
16.75	2.90	19.65			1.38	1.84	2.23	2.20		36.3	93066
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
8.15	1.60	9.75			1.22	1.62	1.97	8.06		29.0	93067
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*8.00*		*28.6*	
7.85	1.60	9.45			1.14	1.55	1.88	4.68		24.2	93489
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*5.00*		*25.0*	
8.00	1.50	9.50			1.28	1.52	1.85	2.62		21.8	93801
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
12.10	0.40	12.50						14.18		35.2	93071
12.00								*12.00*		*32.4*	
10.05	0.30	10.35						11.38		28.7	93072
10.00								*10.00*		*27.0*	
16.45	0.55	17.00								19.7	93802
16.00										*19.2*	
21.15	1.00	22.15								25.4	93490
20.55	0.50	21.05								24.6	93803
20.00										*24.0*	
44.25	1.10	45.35								53.1	93075
44.00										*52.8*	
8.40	1.50	9.90			1.75	2.30	2.79	6.43		30.1	93491
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	
10.35	0.40	10.75						5.03		21.6	93492
10.00								*5.00*		*21.0*	
								50.76		60.9	93124
								50.00		*60.0*	
						14.88	18.06			59.5	93125
						14.83	*18.00*			*59.3*	
16.15	0.60	16.75								19.4	92841
16.00										*19.2*	
21.10	0.30	21.40								25.3	92842
20.00										*24.0*	
8.70	0.30	9.00			2.00	2.30	2.79	5.16	0.93	30.0	93493
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
12.50	0.40	12.90			1.58	1.95	2.37	1.48	0.68	29.5	92844
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
9.35	4.70	14.05			1.08	1.70	2.06	3.15		26.5	92845
8.00	*8.00*	*16.00*				*1.65*	*2.00*	*2.00*		*24.2*	
10.40	0.10	10.50			0.65	0.86	1.04	1.36	2.62	24.6	93494
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
11.00	0.35	11.35						8.87		27.1	92847
10.00								*5.00*		*21.0*	
14.15	0.50	14.65						8.91		34.6	92848
14.00								*4.00*		*25.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Consolidated Chemical Co., Louisville, Ky.	
93236	Camel Br. Spl. Corn and Wheat Fertilizer	D. E. Patterson, Hodgenville
93495		Irvine Feed and Grain Co., Irvine
		Guaranteed
93496	Camel Br. Universal Crop Fertilizer	W. L. Thomas, Leitchfield
		Guaranteed
92646	Camel Br. Vegetable, Potato and Tobacco Special	Manufacturer
		Guaranteed
92647	Camel Br. Bone Phosphate and Tankage	Manufacturer
		Guaranteed
93237	Camel Br. Harvest King	Lonnie Jackson, Caneyville
93497		W. L. Thomas, Leitchfield
		Guaranteed
92649	Camel Br. Blue Grass Tobacco Fertilizer	Manufacturer
		Guaranteed
93238	Camel Br. Beef, Blood and Bone	D. E. Patterson, Hodgenville
93498		S. W. Woolsley, Big Reedy
		Guaranteed
93499	Camel Br. Old Time Tobacco Fertilizer	P. B. Beckett, Flemingsburg
93500		Irvine Feed and Grain Co., Irvine
		Guaranteed
93239	Camel Br. Superior Tobacco Fertilizer	Harvey Stout, Fern Creek
93501		L. R. Hart, Big Clifty
		Guaranteed
93240	Camel Br. Kentucky Special	D. E. Patterson, Hodgenville
93502		W. L. Thomas, Leitchfield
93804		Harvey Stout, Fern Creek
		Guaranteed
93503	Camel Br. Tomato Special	Yopp Seed Co., Paducah
		Guaranteed
93504	Camel Br. Truck and Tobacco Fertilizer	W. L. Thomas, Leitchfield
		Guaranteed
93241	Camel Br. Three-Eight-Six Tobacco Fertilizer	D. E. Patterson, Hodgenville
		Guaranteed
93505	Camel Br. 3-8-6 Tobacco Grower	L. R. Hart, Big Clifty
93506		P. B. Beckett, Flemingsburg
		Guaranteed
92658	Camel Br. Three-Eight-Six Potato Grower	Manufacturer
		Guaranteed
92659	Camel Br. Four-Sixteen-Four Fertilizer	Manufacturer
		Guaranteed
92660	Camel Br. Plant Bed Manure	Manufacturer
		Guaranteed
92661	Camel Br. Ten and Ten Percent Potash Fertilizer	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
11.40	0.50	11.90			1.01	1.34	1.63	1.00		23.9	93236
11.60	0.30	11.90			0.96	1.24	1.51	0.60	1.15	24.9	93495
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
12.85	0.60	13.45			0.71	1.08	1.31	0.88	0.56	25.7	93496
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
12.85	3.50	16.35			1.09	1.09	1.32	3.30		29.0	92646
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
11.55	3.70	15.25			1.10	1.10	1.34	2.43		26.1	92647
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
11.00	0.85	11.85			0.95	1.21	1.47	2.56	0.84	26.0	93237
9.05	0.15	9.20			0.91	1.16	1.41	1.00	1.84	22.2	93497
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
9.70	3.20	12.90			1.09	1.09	1.32	4.49		25.6	92649
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.80	0.80	9.60			1.63	1.98	2.40	2.12	0.44	24.6	93238
8.70	0.85	9.55			1.49	1.85	2.25	2.17		23.4	93498
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.75	0.40	11.15			1.36	1.63	1.98		2.08	25.9	93499
9.30	0.30	9.60			1.52	1.83	2.22		2.52	25.2	93500
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*2.00*	*22.4*	
9.40	0.70	10.10			1.23	1.60	1.94	0.72	4.15	27.9	93239
8.70	1.00	9.70			1.45	1.77	2.15	0.88	4.32	28.1	93501
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
13.65	0.45	14.10			1.13	1.38	1.68	1.96	0.59	29.4	93240
12.95	0.80	13.75			1.38	1.77	2.15	1.08	1.83	30.9	93502
12.90	0.65	13.55			1.60	2.08	2.53	2.27		30.7	93804
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
13.50	0.70	14.20			1.30	1.82	2.21	5.78		34.8	93503
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
9.20	0.80	10.00			2.31	2.68	3.25	1.84	2.80	31.3	93504
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*3.00*		*26.3*	
8.60	0.90	9.50			2.24	2.65	3.22	6.49		31.7	93241
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
8.70	0.85	9.55			2.13	2.52	3.06	0.84	5.64	32.9	93505
9.55	0.70	10.25			1.80	2.42	2.94	0.72	6.54	35.0	93506
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
12.35	2.95	15.20			2.56	2.78	3.37	6.58		38.7	92658
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
17.40	3.00	20.40			3.43	3.68	4.47	4.75		47.7	92659
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	
10.85	3.40	14.25			2.12	3.52	4.27			31.7	92660
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
11.50	1.60	13.10						10.83		33.5	92661
10.00								*10.00*		*27.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Consolidated Chemical Co.,	**Louisville, Ky.—Con.**
93242	Camel Br. Potash Tobacco Fertilizer	Lonnie Jackson, Caneyville
		Guaranteed
93243	Camel Br. Superphosphate 16%	D. E. Patterson, Hodgenville
93244		Lonnie Jackson, Caneyville
93507		Irvine Feed and Grain Co., Irvine
93508		R. F. and Martha Rainwater, Somerset
		Guaranteed
93245	Camel Br. Superphosphate 20%	J. W. Burton, Columbia
		Guaranteed
92665	Camel Br. Superphosphate 24%	Manufacturer
		Guaranteed
93246	Camel Br. Phosphate and Tobacco (200-lb. stems)	J. W. Burton, Columbia
93509		Irvine Feed and Grain Co., Irvine
		Guaranteed
92668	Camel Br. Steamed Bone	Manufacturer
		Guaranteed
92670	Camel Br. Steamed Bone Meal 2-27	Manufacturer
		Guaranteed
93729	Camel Br. Standard Grain	Manufacturer
		Guaranteed
93730	Camel Br. A-1 Grain Grower	Manufacturer
		Guaranteed
93731	Camel Br. Economy Grain	Manufacturer
		Guaranteed
	Duncan and Sherley, LaGrange,	**Ky.**
93162	Tiger Corn and Wheat Grower	Manufacturer
		Guaranteed
93163	Tiger Phosphate and Tankage	Manufacturer
		Guaranteed
93164	Tiger A-1 Tobacco Grower	Manufacturer
		Guaranteed
93165	Tiger Half and Half Crop Grower	Manufacturer
		Guaranteed
	Empire Guano Co., Nashville,	**Tenn.**
93247	Red Banner Favorite	G. M. Stevenson, Columbia
		Guaranteed
92502	Red Banner Special	Manufacturer
		Guaranteed
92503	Wheat, Oat and Corn Grower	Manufacturer
		Guaranteed
92504	Climax Tobacco Grower	Manufacturer
		Guaranteed
93805	Favorite Manure	G. M. Stevenson, Columbia
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.50	0.50	12.00						4.50		22.7	93242
10.00								*5.00*		*21.0*	
16.25	2.00	18.25								19.5	93243
17.05	0.30	17.35								20.5	93244
18.05	1.60	19.65								21.7	93507
16.85	0.55	17.40								20.2	93508
16.00										*19.2*	
20.30	0.70	21.00								24.4	93245
20.00										*24.0*	
27.00	1.70	28.70								32.4	92665
24.00										*28.8*	
14.60	1.40	16.00								17.5	93246
16.40	0.20	16.60								19.7	93509
14.00										*16.8*	
		30.10	79	21		1.46	1.77			35.9	92668
		30.00				*1.03*	*1.25*			*34.1*	
		28.45	84	16		1.78	2.16			35.6	92670
		27.00				*1.65*	*2.00*			*33.6*	
18.90	0.95	19.85			2.12	2.12	2.57	2.94		40.7	93729
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
14.70	3.55	18.25			1.69	1.89	2.29	6.60		39.0	93730
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
12.85	3.50	16.35			1.09	1.09	1.32	3.30		29.0	93731
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
10.80	0.65	11.45			0.30	1.24	1.51	0.52	0.68	23.1	93162
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
12.75	0.55	13.30			0.79	1.92	2.33			27.0	93163
12.00	*2.00*	*14.00*				*1.65*	*2.00*			*25.4*	
9.00	0.85	9.85			2.23	2.61	3.17	4.64	1.94	32.8	93164
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
9.40	4.15	13.55			0.36	1.74	2.11	1.16		24.1	93165
6.00	*8.00*	*14.00*				*1.65*	*2.00*	*1.00*		*20.0*	
10.85	5.05	15.90			2.09	2.40	2.91	2.75		30.2	93247
10.00	*3.00*	*13.00*				*2.47*	*3.00*	*3.00*		*29.7*	
10.15	8.20	18.35			1.67	1.89	2.29	1.99		28.5	92502
10.00	*3.00*	*13.00*				*1.65*	*2.00*	*2.00*		*25.2*	
10.30	10.30	20.60			0.39	1.02	1.24	1.05		24.9	92503
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
10.60	11.00	21.60				0.97	1.18	1.05		25.4	92504
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
10.00	7.55	17.55			0.27	0.71	0.86	3.18		24.7	93805
10.00	*4.00*	*14.00*				*0.82*	*1.00*	*3.00*		*23.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Empire Guano Co.,	**Nashville, Tenn.—Con.**
92506	Red Banner Tobacco Grower	Manufacturer
		Guaranteed
92507	Red Banner Standard	Manufacturer
		Guaranteed
92508	High Grade Tobacco Grower	Manufacturer
		Guaranteed
92509	Ky. Tobacco and Truck Grower	Manufacturer
		Guaranteed
92510	Superior Tobacco Grower	Manufacturer
		Guaranteed
92511	High Grade Potash Mixture	Manufacturer
		Guaranteed
93248	Red Banner 16% Superphosphate	G. M. Stevenson, Columbia
93806		G. M. Stevenson, Columbia
		Guaranteed
92513	Red Banner 18% Superphosphate	Manufacturer
		Guaranteed
92514	Red Banner 20% Superphosphate	Manufacturer
		Guaranteed
92515	Pure Raw Bone Meal	Manufacturer
		Guaranteed
92516	Half and Half	Manufacturer
		Guaranteed
	Evansville Fertilizer Co.,	**Evansville, Ind.**
93511	Superb Tobacco Booster	McLean Co. Hardware Co., Calhoun
		Guaranteed
93129	Superb High Line	Manufacturer
		Guaranteed
93249	Superb Three 'B''	Eldred Hdw. Co., Princeton
		Guaranteed
93134	Superb Special	Manufacturer
		Guaranteed
93135	Superb Ten Ten	Manufacturer
		Guaranteed
93136	Superb Superphosphate 20%	Manufacturer
		Guaranteed
93512	Superb Superphosphate 16%	McLean County Hdw. Co., Calhoun
		Guaranteed
	Farmers Fertilizer Co.,	**Montgomery, Ala.**
93764	Farmers Complete Fertilizer 10-2.47-3	Manufacturer
		Guaranteed
93765	Farmers Complete Manure 8-2.47-6	Manufacturer
		Guaranteed
93766	Farmers Fertilizer 10-0-4	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.35	8.85	17.20			1.47	2.09	2.54	2.10		27.0	92506
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
9.00	9.10	18.10			1.50	2.13	2.59	2.07		28.1	92507
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
9.15	7.85	17.00			2.19	2.19	2.66		4.93	31.6	92508
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*4.00*	*26.2*	
8.30	6.65	14.95			3.06	3.06	3.71	0.84	6.80	38.6	92509
8.00	*4.00*	*12.00*				*2.47*	*3.00*		*6.00*	*32.5*	
8.80	6.50	15.30			2.11	2.11	2.56	0.80	8.38	37.8	92510
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*8.00*		*29.8*	
11.10	8.40	19.50						4.91		22.5	92511
10.00								*4.00*		*19.8*	
16.85	2.15	19.00								20.2	93248
16.80	4.25	21.05								20.2	93806
16.00										*19.2*	
18.40	2.60	21.00								22.1	92513
18.00										*21.6*	
19.75	1.55	21.30								23.7	92514
20.00										*24.0*	
		22.85	50	50		3.82	4.64			38.1	92515
		20.00				*3.71*	*4.50*			*34.8*	
		21.70	53	47		1.94	2.36			29.5	92516
		20.00				*1.85*	*2.25*			*27.4*	
10.35	2.65	13.00			1.34	2.22	2.70	5.66		32.4	93511
8.00						*2.47*	*3.00*	*6.00*		*29.1*	
12.30	2.45	14.75			1.27	1.88	2.28	5.90		34.0	93129
12.00						*1.65*	*2.00*	*6.00*		*31.8*	
9.80	3.35	13.15			1.94	2.43	2.95	3.96		30.5	93249
8.00						*1.65*	*2.00*	*2.00*		*21.0*	
10.65	1.65	12.30						4.82		21.8	93134
10.00								*4.00*		*19.8*	
10.30	3.95	14.25						10.71		28.3	93135
10.00								*10.00*		*27.0*	
20.45	0.70	21.15								24.5	93136
20.00										*24.0*	
16.20	2.55	18.75								19.4	93512
16.00										*19.2*	
9.60	2.15	11.75			2.55	2.76	3.35	3.48		30.5	93764
10.00	*1.00*	*11.00*				*2.47*	*3.00*	*3.00*		*28.9*	
7.60	2.50	10.10			2.61	2.61	3.17	6.98		31.2	93765
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	
10.40	0.75	11.15						4.38		20.9	93766
10.00								*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Farmers Fertilizer Co.,	**Montgomery, Ala.—Con.**
93767	Farmers Superphosphate	Manufacturer
		Guaranteed
	Federal Chemical Co., Inc.,	**Louisville, Ky.**
93513	†Ammoniated Potash Ten	T. H. O'Bryan, Dawson Springs
93907		Grayson County Supply Co., Leitchfield
		Guaranteed
93515	†Standard Corn and Wheat Grower	Latiff Fruit Co., Middlesboro
		Guaranteed
93250	†Special Tobacco Maker	Lake Bros., Springfield
		Guaranteed
93516	Beef, Blood and Bone	Grayson County Supply Co., Leitchfield
93517		L. R. Hart, Big Clifty
93908		Grayson County Supply Co., Leitchfield
93909		Lonnie Jackson, Caneyville
		Guaranteed
93521	†Loam Land Fertilizer	H. E. Beck, Monticello
		Guaranteed
93522	Mid-West High Grade Mixture	Youtsey Bros., Alexandria
93523		Boyle Supply Co., Danville
		Guaranteed
93252	†2-8-5 Tobacco Fertilizer	Big Four Co., Franklin
93524		Gentry McCauley, Versailles
		Guaranteed
93526	Official Formula 2-12-6	A. Bresler, Son and Co., Owensboro
93808		Clem Keltner, Campbellsville
		Guaranteed
92914	Special Mixture Potato and Tobacco Grower	Manufacturer
		Guaranteed
93254	†Ky. Tobacco and Potato Grower	Lake Bros., Springfield
		Guaranteed
93529	†Spl. Mixture H. Gr. Tobacco Grower	Blue Grass Elmendorf Grain Corp., Lexington
		Guaranteed
92918	Soluble Formula 4-24-4	Manufacturer
		Guaranteed
92919	Best Burley Tobacco Grower	Manufacturer
		Guaranteed
92920	Spl. Mixture Plant Bed Special	Manufacturer
		Guaranteed
93257	Plant Bed Special	Simpson and Morgan, Owenton
		Guaranteed
93258	†Spl. Tobacco and Potato Grower	E. L. Pearison, Auburn
		Guaranteed
93533	†A-1 Extra Tobacco Special	Gentry McCauley, Versailles
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
16.90	1.40	17.40								19.2	93767
16.00										*19.2*	
8.90	2.75	11.65			0.55	0.96	1.17	9.95		30.2	93513
8.60	1.50	10.10			0.87	0.87	1.06	9.99		29.0	93907
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*10.00*		*28.1*	
8.55	0.40	8.95			1.06	1.52	1.85	2.30		21.8	93515
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.00	1.65	11.65			1.15	1.80	2.19	2.07		25.3	93250
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
10.25	3.50	13.75			1.01	1.70	2.06	2.39		26.5	93516
10.60	1.30	11.90			1.13	1.78	2.16	2.13		26.1	93517
11.15	1.15	12.30			1.23	1.76	2.14	2.23		26.9	93908
10.75	1.30	12.05			1.35	1.95	2.37	1.67		26.5	93909
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
12.00	2.30	14.30			1.12	1.72	2.09	1.99		28.1	93521
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
9.90	1.55	11.45			1.37	1.80	2.19	4.68		28.3	93522
10.80	1.40	12.20			1.34	1.98	2.40	4.11		29.6	93523
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
8.75	3.90	12.65			0.86	1.61	1.95	4.59		26.6	93252
8.05	1.10	9.15			1.11	1.71	2.08	5.04		25.4	93524
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
11.85	1.85	13.70			1.23	1.87	2.27	6.01		33.2	93526
12.45	1.95	14.40			1.33	1.85	2.25	5.53		33.5	93808
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
10.20	4.50	14.70			2.77	2.77	3.36	11.30		41.7	92914
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*7.50*		*28.4*	
9.20	1.30	10.50			1.71	2.43	2.95	5.54		30.7	93254
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
7.95	1.55	9.50			2.29	3.17	3.85	4.50		30.6	93529
8.00	*2.00*	*10.00*				*3.29*	*4.00*	*4.00*		*30.8*	
27.10	0.30	27.40			4.74	4.74	5.75	3.99		64.5	92918
24.00						*3.29*	*4.00*	*4.00*		*54.9*	
9.20	4.40	13.60			2.41	2.69	3.27	1.32	9.85	42.7	92919
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*7.50*	*30.7*	
12.60	1.70	14.30			4.11	4.40	5.34	4.32		42.4	92920
10.00	*2.00*	*12.00*				*2.47*	*3.00*	*3.00*		*29.3*	
10.05	1.05	11.10			1.79	2.44	2.96	0.88	2.47	30.0	93257
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
9.50	2.30	11.80			1.45	2.30	2.79	3.28	2.83	32.6	93258
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
11.10	1.25	12.35			1.80	3.10	3.76			29.6	93533
10.00						*3.29*	*4.00*			*28.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.,	**Louisville, Ky.—Con.**
93260	Official Formula 12-6	W. H. Lyons, Lorain
		Guaranteed
93261	20% Superphosphate	E. L. Pearson, Auburn
93262		Clem Keltner, Campbellsville
93263		Grayson County Supply Co., Leitchfield
93264		J. R. Routt, Hodgenville
93265		J. W. Burton, Columbia
93876		E. L. Pearson, Auburn
93911		Grayson County Supply Co., Leitchfield
		Guaranteed
93266	Pure Bone	Big Four Co., Franklin
93535		T. C. Masters, Beaver Dam
		Guaranteed
93537	†Spl. Mixture Tip Top Potato Grower	Hickman Hardware Co., Hickman
		Guaranteed
93126	Double Formula 2-16-8	Manufacturer
		Guaranteed
93145	Tobacco, Truck and Tomato Fertilizer	Manufacturer
		Guaranteed
93149	18% Superphosphate	Manufacturer
		Guaranteed
93267	Lime Bone Phosphate	Big Four Co., Franklin
		Guaranteed
93151	Tobacco and Vegetable Grower	Manufacturer
		Guaranteed
93268	†Spl. Mixture Tobacco and Vegetable Grower	I. K. Miller and Sons, Campbellsville
		Guaranteed
93270	Nitrate of Soda	I. H. Hummer and Co., Scottsville
93271		Big Four Co., Franklin
		Guaranteed
93155	Muriate of Potash	Manufacturer
		Guaranteed
93420	Official Tobacco Formula	Manufacturer
		Guaranteed
93736	Special Formula 4-10-6	Manufacturer
		Guaranteed
93539	A-1 Fertilizer	T. H. O'Bryan, Dawson Springs
		Guaranteed
93540	A-1 Soluble Vegetable Manure	Gentry McCauley, Versailles
		Guaranteed
93272	Ky. Wheat and Corn Grower	Lander Hardware Co., Elizabethtown
93541		Grayson County Supply Co., Leitchfield
93877		A. W. Tarter, Columbia
93912		Grayson County Supply Co., Leitchfield
		Guaranteed
92930	Royal Wheat and Grain Special	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.05	0.85	12.90						6.63		26.0	93260
12.00								*6.00*		*25.2*	
21.65	1.70	23.35								26.0	93261
20.10	1.15	21.25								24.1	93262
21.05	1.35	22.40								25.3	93263
20.45	1.20	21.65								24.5	93264
20.05	1.30	21.35								24.1	93265
19.70	3.50	23.20								23.6	93876
21.75	0.65	22.40								26.1	93911
20.00										*24.0*	
		32.95	100			0.96	1.17			36.8	93266
		29.30	85	15		1.93	2.34			37.0	93535
		30.00				*1.03*	*1.25*			*34.1*	
10.45	3.45	13.90			2.57	3.08	3.74	4.38		34.6	93537
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
18.45	0.75	19.20			1.99	2.19	2.66	11.86		51.0	93126
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*8.00*		*41.0*	
12.20	6.40	18.60			2.96	2.96	3.59	3.33		36.7	93145
9.00	*2.00*	*11.00*				*1.65*	*2.00*	*1.00*		*22.1*	
19.35	1.20	20.55								23.2	93149
18.00										*21.6*	
16.75	3.45	20.20								20.1	93267
16.00										*19.2*	
10.20	6.00	16.20			1.47	2.15	2.61		10.66	42.3	93151
8.00	*2.00*	*10.00*				*1.23*	*1.50*		*6.00*	*26.7*	
8.15	2.20	10.35			0.81	1.34	1.63	6.27		26.0	93268
8.00	*2.00*	*10.00*				*1.23*	*1.50*	*6.00*		*24.9*	
						15.72	19.08			62.9	93270
						15.52	18.84			62.1	93271
						15.00	*18.21*			*60.0*	
								52.00		62.4	93155
								50.00		*60.0*	
8.15	5.40	13.55			6.92	6.92	8.40		5.53	50.4	93420
6.00	*2.00*	*8.00*				*5.77*	*7.00*		*4.50*	*39.6*	
30.40	0.80	31.20			3.81	3.81	4.63	8.23		71.0	93736
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*6.00*		*33.2*	
13.00	3.20	16.20			0.52	0.90	1.09			24.4	93539
12.00						*0.82*	*1.00*			*21.3*	
13.70	1.05	14.75			0.63	1.35	1.64			26.4	93540
12.00						*1.65*	*2.00*			*24.6*	
10.55	4.55	15.10			0.48	0.73	0.89	0.94		21.7	93272
10.70	4.65	15.35			0.52	1.01	1.23	1.20		23.4	93541
10.30	1.10	11.40			0.76	1.22	1.48	1.47		22.5	93877
10.45	1.15	11.60			0.67	1.03	1.25	1.22		21.7	93912
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
14.45	5.75	20.20			1.42	1.42	1.72	2.53		32.7	92930
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc., Louisville, Ky.—Con.	
92931	Daybreak Special Manure	Manufacturer
		Guaranteed
93273	Daybreak Favorite	Lander Hardware Co., Elizabethtown
		Guaranteed
92933	Standard Crop and Tobacco Grower	Manufacturer
		Guaranteed
92935	Daybreak Potash Mixture	Manufacturer
		Guaranteed
93274	Daybreak 16% Superphosphate	L. A. Collins, Lebanon
93275		I. H. Hummer and Co., Scottsville
93276		Grayson County Supply Co., Leitchfield
93809		Lander Hardware Co., Elizabethtown
93913		Grayson County Supply Co., Leitchfield
		Guaranteed
93544	Ky. Corn, Wheat and Oats Grower	L. R. Hart, Big Clifty
93545		D. L. D. Sanderfer, Beaver Dam
		Guaranteed
92939	1st Prize Wheat and Grain Special	Manufacturer
		Guaranteed
92940	Blue Ribbon Corn, Wheat and Tobacco Grower	Manufacturer
		Guaranteed
92941	1st Prize Formula	Manufacturer
		Guaranteed
92942	1st Prize Crop and Tobacco Grower	Manufacturer
		Guaranteed
93546	1st Prize 16% Superphosphate	J. W. Barrett, Whitesville
93547		M. O. Eskew, Marion
93878		J. W. Hardyman, Mt. Carmel
		Guaranteed
92944	1st Prize Raw Bone	Manufacturer
		Guaranteed
	Fox Chemical Co., Br. Federal Chemical Co., Inc., Louisville, Ky.	
93548	Fox Blood, Bone and Potash Special	J. N. Forst, Alpha
93549		Gardner and Grubbs, Macon
93810		Clem Keltner, Campbellsville
		Guaranteed
92946	Fox Wheat and Grain Special	Manufacturer
		Guaranteed
93550	Early Harvest Corn, Wheat and Tobacco Grower	W. A. Sparks, London
93551		T. C. Martin, Beaver Dam
93811		Martin and Stevens, Beaver Dam
		Guaranteed
93812	†Fox Formula	Clem Keltner, Campbellsville
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.55	7.55	20.10			1.47	1.47	1.78	3.55		32.0	92931
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
10.45	2.20	12.65			0.40	0.91	1.10	3.45		24.3	93273
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
10.55	8.95	19.50			1.51	1.51	1.83	5.51		32.1	92933
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
11.70	9.10	20.80						5.48		24.1	92935
10.00								*4.00*		*19.8*	
16.45	1.60	18.05								19.7	93274
16.90	2.50	19.40								20.3	93275
17.00	2.65	19.65								20.4	93276
17.80	2.30	20.10								21.4	93809
17.95	0.95	18.90								21.5	93913
16.00										*19.2*	
10.15	2.05	12.20			0.53	1.00	1.21	1.19		21.5	93544
10.60	1.55	12.15			0.44	0.82	1.00	0.99		21.0	93545
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
14.45	5.75	20.20			1.42	1.42	1.72	2.53		32.7	92939
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
12.55	7.55	20.10			1.47	1.47	1.78	3.55		32.0	92940
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
13.10	5.30	18.40			1.38	1.38	1.68	4.97		33.3	92941
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
10.55	8.95	19.50			1.51	1.51	1.83	5.51		32.1	92942
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
17.90	1.35	19.25								21.5	93546
16.65	2.50	19.15								20.0	93547
16.25	1.30	17.55								19.5	93878
16.00										*19.2*	
		24.15	100			4.09	4.97			40.5	92944
		20.00				*3.29*	*4.00*			*33.2*	
9.95	1.20	11.15			0.61	1.07	1.30	1.34		21.3	93548
11.75	4.60	16.35			0.70	1.04	1.26	1.66		25.6	93549
11.25	1.00	12.25			0.63	0.98	1.19	1.17		22.6	93810
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
14.45	5.75	20.20			1.42	1.42	1.72	2.53		32.7	92946
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
10.50	1.25	11.75			0.60	0.98	1.19	2.08		22.7	93550
10.50	1.50	12.00			0.52	0.95	1.15	2.11		22.7	93551
11.30	2.40	13.70			0.49	0.92	1.12	1.85		23.8	93811
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
11.30	1.20	12.50			0.66	1.00	1.21	2.85		24.9	93812
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Fox Chemical Co., Br.,	**Louisville, Ky.—Con.**
93552	†Fox Crop and Tobacco Grower.....	Stagg Bros. Co., Vanceburg.....
		Guaranteed .....
93554	†Fox Wheat and Corn Manure.....	W. G. Hayes, Waynesburg.....
		Guaranteed .....
92951	Fox Tobacco Grower	Manufacturer .....
		Guaranteed .....
92952	Fox Special Tobacco Grower	Manufacturer .....
		Guaranteed .....
92953	Fox Potash Mixture	Manufacturer .....
		Guaranteed .....
93278	Fox 16% Superphosphate	Clem Keltner, Campbellsville.....
93556		T. C. Martin, Beaver Dam.....
93557		A. B. Beale and Son, Murray.....
93558		Stagg Bros. Co., Vanceburg.....
93813		Martin and Stevens, Beaver Dam.....
93914		A. B. Beale and Son, Murray.....
		Guaranteed .....
92955	Fox Raw Bone	Manufacturer .....
		Guaranteed .....
	Ford Motor Co., Detroit, Mich.	
92575	Ford Ammonium Sulphate	Manufacturer .....
		Guaranteed .....
	Globe Fert. Co., Br. Federal Chem.	**Co., Inc., Louisville, Ky.**
93279	Globe Blood, Bone and Potash Special	Vernon Holt, Jamestown.....
93814		A. Bresler, Son and Co., Owensboro.....
93815		I. K. Miller and Sons, Campbellsville....
		Guaranteed .....
92957	Globe Wheat and Grain Special....	Manufacturer .....
		Guaranteed .....
93559	†Progress Corn, Wheat and Tobacco Grower	S. A. Browning, Vanceburg.....
93879		E. L. Pearson, Auburn.....
		Guaranteed .....
93816	Braden Formula	Forbes Mfg. Co., Hopkinsville.....
93880		Big Four Co., Franklin.....
		Guaranteed .....
93281	†Universal Crop and Tobacco Grower	Vernon Holt, Jamestown.....
93560		F. F. Dudley, Flemingsburg.....
		Guaranteed .....
93282	Eagle Wheat and Corn Grower.....	W. S. Watts, Muldraugh.....
93561		Williamsburg Hdw. Co., Williamsburg...
		Guaranteed .....

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.90	2.35	11.25			0.51	0.82	1.00	3.55		21.8	93552
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.05	1.30	9.35			1.06	1.62	1.97	1.95		21.4	93554
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.20	9.50	19.70			2.37	2.37	2.88	3.41		32.7	92951
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.40	6.55	16.95			2.65	2.65	3.22	7.84		38.2	92952
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
11.35	9.55	20.90						5.76		23.9	92953
10.00								*4.00*		*19.8*	
16.70	1.60	18.30								20.0	93278
16.50	3.25	19.75								19.8	93556
16.35	2.60	18.95								19.6	93557
18.60	1.35	19.95								22.3	93558
17.95	1.30	19.25								21.5	93813
17.90	1.70	19.60								21.5	93914
16.00										*19.2*	
		24.15	100			4.09	4.97			40.5	92955
		20.00				*3.29*	*4.00*			*33.2*	
						20.72	25.16			82.9	92575
						20.80	*25.26*			*83.2*	
10.40	4.10	14.50			0.47	0.90	1.09	1.03		22.1	93279
11.05	0.70	11.75			0.69	1.03	1.25	1.42		22.7	93814
10.65	1.05	11.70			0.61	1.01	1.23	0.84	0.24	21.8	93815
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
14.45	5.75	20.20			1.42	1.42	1.72	2.53		32.7	92957
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
11.50	1.65	13.15			0.42	0.76	0.92	1.89		23.2	93559
12.00	2.60	14.60			0.52	0.99	1.20	1.84		25.2	93879
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
11.85	2.10	13.95			0.41	0.82	1.00	2.66		25.1	93816
11.80	2.40	14.20			0.63	1.13	1.37	3.92		27.9	93880
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
8.45	3.85	12.30			0.51	0.90	1.09	3.79		22.4	93281
8.00	1.00	9.00			0.68	0.88	1.07	4.11		20.9	93560
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.15	1.90	10.05			1.10	1.74	2.11	2.08		22.5	93282
8.30	1.15	9.45			1.25	1.87	2.27	2.12		22.9	93561
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Globe Fertilizer Co., Br.,	**Louisville, Ky.—Con.**
93283	†Big Four Tobacco Grower	E. L. Pearson, Auburn
93562		F. F. Dudley, Flemingsburg
		Guaranteed
93564	†Ky. Standard Tobacco Grower	Forbes Mfg. Co., Hopkinsville
		Guaranteed
92964	Globe Special Tobacco Grower	Manufacturer
		Guaranteed
93565	Globe Potash Mixture	T. J. Whittinghill, Fordsville
93817		I. K. Miller and Sons, Campbellsville
		Guaranteed
93286	Globe 16% Superphosphate	W. H. Lyon, Loretto
93287		E. L. Pearson, Auburn
93288		Dallas Wade, Font Hill
93289		C. F. Shaw, Cave City
93818		I. K. Miller and Sons, Campbellsville
93882		E. L. Pearson, Auburn
93915		J. M. Johnson, Benton
		Guaranteed
92967	Globe Raw Bone	Manufacturer
		Guaranteed
	The Grasselli Chemical Co.,	**Cleveland, O.**
92517	Grasselli Odorless Plant Food	Manufacturer
		Guaranteed
	Hall Seed Co., Louisville, Ky.	
92802	Halco 16% Acid Phosphate	Manufacturer
		Guaranteed
93939	Halco 20% Acid Phosphate	Manufacturers' Warehouse
		Guaranteed
92805	Halco Tobacco Grower	Manufacturer
		Guaranteed
93941	Halco Corn and Wheat Grower	Manufacturers' Warehouse
		Guaranteed
93942	Halco Vegetable Grower	Manufacturers' Warehouse
		Guaranteed
93943	Halco Potato and Tobacco Grower	Manufacturers' Warehouse
		Guaranteed
93944	Halco Bone Meal	Manufacturers' Warehouse
		Guaranteed
93945	Halco Raw Bone	Manufacturers' Warehouse
		Guaranteed
92811	Halco 4-16-4 Fertilizer	Manufacturer
		Guaranteed
92812	Halco 4-10-4 Fertilizer	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.00	4.20	13.20			0.93	1.59	1.93	2.11		24.1	93283
7.75	1.35	9.10			1.08	1.72	2.09	1.90		21.3	93562
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
8.60	3.40	12.00			0.86	1.63	1.98	2.16	2.45	27.1	93564
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
25.00	0.80	25.80			3.83	3.83	4.65	1.88	9.43	69.6	92964
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*10.00*	*37.7*	
10.55	1.25	11.80						4.87		21.7	93565
10.95	1.00	11.95						3.94		21.2	93817
10.00								*4.00*		*19.8*	
16.65	1.20	17.85								20.0	93286
17.05	2.65	19.70								20.5	93287
16.20	3.10	19.30								19.4	93288
15.85	3.20	19.05								19.0	93289
17.05	1.10	18.15								20.5	93818
18.20	1.40	19.60								21.8	93882
18.30	1.90	20.20								22.0	93915
16.00										*19.2*	
		24.15	100			4.09	4.97			40.5	92967
		20.00				*3.29*	*4.00*			*33.2*	
14.65	2.00	16.65			3.85	4.11	4.99	4.62		44.8	92517
13.00	*2.00*	*15.00*				*4.12*	*5.00*	*4.00*		*41.6*	
16.85	0.55	17.40								20.2	92802
16.00										*19.2*	
21.30	1.00	22.30								25.6	93939
20.00										*24.0*	
10.70	0.80	11.50			1.02	1.02	1.24	2.44		23.4	92805
10.00	*0.50*	*10.50*				*0.82*	*1.00*	*2.00*		*20.9*	
10.35	0.80	11.15			0.80	0.80	0.97	1.01		20.3	93941
10.00	*0.50*	*10.50*				*0.82*	*1.00*	*1.00*		*19.7*	
10.10	0.60	10.70			2.80	3.05	3.70			27.6	93942
10.00	*0.50*	*10.50*				*3.29*	*4.00*			*28.4*	
8.25	0.50	8.75			1.50	1.50	1.82	3.68		23.0	93943
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*3.00*		*22.4*	
		28.55	87	13		2.29	2.78			37.7	93944
		27.00				*2.47*	*3.00*			*36.9*	
		23.70	100			3 76	4.56			38.7	93945
		22.00				*3.71*	*4.50*			*36.8*	
17.15	0.65	17.80			3.69	3.69	4.48	4.38		46.0	92811
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
10.80	0.80	11.60			2.72	3.49	4.24	0.56	3.82	36.9	92812
10.00	*0.50*	*10.50*				*3.29*	*4.00*	*4.00*		*33.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hopkins Fertilizer Co.,	**New Albany, Ind.**
93291	Old Time Wheat and Corn Grower	Shepherdsville Roller Mills, Shepherdsville
93566		W. L. Thomas, Leitchfield
93567		Coffey and Van Hook, Moreland
93568		J. W. Bratcher, Berea
		Guaranteed
93569	†Old Time Red Banner Special	Talbert and Co., Corbin
93571		Lewisport Mill Co., Lewisport
93819		C. M. Langden, Science Hill
		Guaranteed
93572	Old Time Kentucky Special	W. C. Richards, Fordsville
		Guaranteed
93293	Old Time Kentucky Winner	Walton Sanitary Flour Mills, Walton
93573		J. W. Bratcher, Berea
		Guaranteed
93574	†Old Time Royal Grain Grower	Conner-Hayden and Co., Bardstown
93575		W. L. Thomas, Leitchfield
93820		Conner-Hayden and Co., Bardstown
93883		W. C. Grainger, Franklin
		Guaranteed
93576	Old Time Superior	W. L. Thomas, Leitchfield
		Guaranteed
93295	†Old Time Potato Grower	J. F. Collings, Shepherdsville
		Guaranteed
93296	Old Time Burley Grower	Shepherdsville Roller Mills, Shepherdsville
93297		Climax Roller Mills, Shelbyville
93577		Emmett Shearer, Monticello
93578		Lenn Webb, Hawesville
		Guaranteed
93298	Old Time Tomato Grower	Shepherdsville Roller Mills, Shepherdsville
93579		J. W. Bratcher, Berea
		Guaranteed
93299	Old Time Ten Ten	Shepherdsville Roller Mills, Shepherdsville
		Guaranteed
92837	Old Time Half and Half	Manufacturer
		Guaranteed
93300	Old Time Climax Phosphate	Conner-Hayden and Co., Bardstown
93301		Shepherdsville Roller Mills, Shepherdsville
93580		W. F. Majors, Caneyville
93822		Conner-Hayden and Co., Bardstown
93823		C. M. Langdon, Science Hill
93884		W. C. Grainger, Franklin
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
10.65	0.10	10.75			0.78	1.02	1.24	1.84	0.70	23.4	93291
11.05	0.40	11.45			0.66	0.88	1.07	0.72	1.03	22.7	93566
11.25	0.55	11.80			0.34	0.93	1.13	0.88	1.30	23.8	93567
11.35	1.05	12.40			0.60	1.26	1.53	1.44	0.80	25.4	93568
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
9.05	0.20	9.25			0.74	0.96	1.17	1.08	1.89	21.7	93569
8.80	0.20	9.00			0.40	0.79	0.96	2.70		19.7	93571
8.30	1.40	9.70			0.51	0.92	1.12	1.52	1.89	21.4	93819
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
15.00	0.85	15.85			0.53	0.78	0.95	1.32	0.81	28.8	93572
14.00	*2.00*	*16.00*				*0.82*	*1.00*	*2.00*		*27.5*	
8.55	0.15	8.70			3.30	3.53	4.29	2.36	2.61	33.8	93293
8.45	0.85	9.30			2.63	3.71	4.50	1.56	2.54	33.5	93573
8.00	*2.00*	*10.00*				*3.29*	*4.00*	*4.00*		*30.8*	
10.85	0.25	11.10			1.05	1.28	1.55	1.12	1.74	25.5	93574
10.85	0.40	11.25			1.17	1.40	1.70	1.08	2.13	26.5	93575
10.25	1.55	11.80			0.87	1.34	1.63	1.36	2.00	26.0	93820
9.45	2.10	11.55			0.79	1.27	1.54	1.28	1.98	24.6	93883
10.00	*2.00*	*12.00*				*1.23*	*1.50*	*3.00*		*24.3*	
11.05	1.10	12.15			1.36	1.77	2.15	1.88	2.34	29.9	93576
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
8.15	0.35	8.50			2.13	2.46	2.99	4.88	2.57	31.9	93295
7.00	*1.00*	*8.00*				*2.47*	*3.00*	*7.00*		*29.2*	
9.05	0.40	9.45			2.48	2.48	3.01	3.64	2.93	32.4	93296
9.05	0.20	9.25			2.38	2.38	2.89	4.16	2.87	32.5	93297
8.65	0.45	9.10			2.19	2.55	3.10	3.60	2.60	31.6	93577
8.95	0.80	9.75			2.46	2.84	3.45	3.84	2.40	33.3	93578
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
12.40	0.75	13.15			1.31	1.63	1.98	5.32	0.75	32.9	93298
13.40	0.65	14.05			1.31	1.63	1.98	6.07		34.2	93579
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
11.25	0.55	11.80						8.76	1.62	29.8	93299
10.00								*10.00*		*27.0*	
8.90	5.80	14.70			1.01	1.52	1.85	3.68		26.2	92837
6.00	*6.00*	*12.00*				*1.65*	*2.00*	*3.00*		*21.6*	
16.25	0.50	16.75								19.5	93300
16.80	0.40	17.20								20.2	93301
17.75	2.95	20.70								21.3	93580
17.95	0.40	18.35								21.5	93822
17.50	0.25	17.75								21.0	93823
17.70	0.40	18.10								21.2	93884
16.00										*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hopkins Fertilizer Co.,	**New Albany—Con.**
92839	Old Time Twenty Per Cent Phosphate	Manufacturer Guaranteed
93885	Old Time Pure Raw Bone	W. C. Grainger, Franklin Guaranteed
93749	Hopkins Old Time Steamed Bone Meal	Manufacturer Guaranteed
	International Agr. Corporation,	**Cincinnati, O., and Florence, Ala.**
93091	I. A. C. Tomato Special	Manufacturer Guaranteed
93092	I. A. C. Quality Burley Tobacco Producer	Manufacturer Guaranteed
93583	†I. A. C. Quality Producer Dark Tobacco Fertilizer	J. J. Shaver and Co., Mayfield Guaranteed
93584	I. A. C. Tobacco and Potato Grower	S. A. Montgomery, McKinney Guaranteed
93585	I. A. C. H. Gr. Tobacco Special	S. A. Montgomery, McKinney
93586		N. P. Hutson, Murray Guaranteed
93096	I. A. C. Crop Grower	Manufacturer Guaranteed
93587	I. A. C. Grain Grower	London Hardware Co., London Guaranteed
93588	I. A. C. Standard Fertilizer	London Hardware Co., London Guaranteed
93099	I. A. C. Ten Five	Manufacturer Guaranteed
93100	I. A. C. 40% Multiple Superphosphate	* Guaranteed
93589	I. A. C. 20% Superphosphate—Acid Phosphate	McKinzie and Herrin, Eubanks Guaranteed
93590	I. A. C. 16% Superphosphate—Acid Phosphate	J. W. Bratcher, Berea Guaranteed
93103	I. A. C. Steamed Bone Meal	Manufacturer Guaranteed
93104	Multiple Strength 4-24-12	Manufacturer Guaranteed
93105	Multiple Strength 4-16-20	Manufacturer Guaranteed
93108	Multiple Strength 0-28-8	* Guaranteed
93110	Muriate of Potash	Manufacturer Guaranteed
93111	Nitrate of Soda	Manufacturer Guaranteed
93591	I. A. C. Limed 16% Superphate—Acid Phosphate	London Hardware Co., London Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
20.85	0.30	21.15								25.0	92839
20.00										*24.0*	
		23.10	60	40		3.94	4.78			38.9	93885
		21.50				*3.50*	*4.25*			*35.5*	
		32.45	72	28		0.88	1.07			36.0	93749
		30.00				*0.82*	*1.00*			*33.3*	
12.85	0.15	13.00			1.16	1.58	1.92	6.63		33.6	93091
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*6.00*		*32.2*	
10.35	0.10	10.45			2.10	3.15	3.82	0.76	5.55	37.4	93092
10.00	*1.00*	*11.00*				*3.29*	*4.00*		*6.00*	*37.6*	
11.85	1.15	13.00			1.74	3.14	3.81	5.35		37.2	93583
11.00	*1.00*	*12.00*				*3.29*	*4.00*		*5.00*	*37.6*	
8.20	0.65	8.85			1.07	2.20	2.67	3.88	3.67	31.5	93584
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
10.95	0.95	11.90			0.92	1.62	1.97	1.12	2.85	28.9	93585
11.30	0.50	11.80			1.31	1.94	2.36	1.04	6.29	35.6	93586
10.00	*1.00*	*11.00*				*1.65*	*2.00*		*4.00*	*28.0*	
11.95	1.85	13.80			1.14	1.68	2.04	2.15		28.6	93096
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
11.05	1.15	12.20			0.58	0.86	1.04	3.32		24.5	93587
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*3.00*		*22.3*	
8.90	1.20	10.10			1.06	1.50	1.82	2.29		22.6	93588
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
9.80	0.95	10.75						5.25		21.0	93099
10.00								*5.00*		*21.0*	
											93100
40.00										*48.0*	
22.30	0.60	22.90								26.8	93589
20.00										*24.0*	
17.60	2.00	19.60								21.1	93590
16.00										*19.2*	
		32.60	100			0.82	1.00			35.9	93103
		29.00				*1.03*	*1.25*			*33.1*	
23.90	1.20	25.10			2.77	3.20	3.88	12.40		64.0	93104
24.00	*1.00*	*25.00*				*3.29*	*4.00*	*12.00*		*64.0*	
17.65	1.25	18.90			2.82	3.35	4.07	20.50		65.0	93105
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*20.00*		*61.6*	
											93108
28.00								*8.00*		*51.6*	
								52.16		62.6	93110
								50.00		*60.0*	
						15.56	18.88			62.2	93111
						15.00	*18.21*			*60.0*	
16.85	2.15	19.00								20.2	93591
16.00										*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agr. Cor.,	**Cincinnati and Florence—Con.**
93122	I. A. C. Limed Ten Five	Manufacturer
		Guaranteed
93758	International Bone Meal	
		Guaranteed
93112	Buffalo Truck and Potato Special	Manufacturer
		Guaranteed
93114	Buffalo H. Gr. Tobacco Special	Manufacturer
		Guaranteed
93592	Buffalo Crop Grower	Boone County Farm Bureau, Florence
		Guaranteed
93116	Buffalo Grain Grower	Manufacturer
		Guaranteed
93593	Buffalo Standard Fertilizer	P. B. Beckett, Flemingsburg
		Guaranteed
93118	Buffalo Ten Five	Manufacturer
		Guaranteed
93594	Buffalo 20% Superphosphate—Acid Phosphate	Boone County Farm Bureau, Florence
		Guaranteed
93120	Buffalo 16% Superphosphate—Acid Phosphate	Manufacturer
		Guaranteed
	The Jarecki Chem. Co., (Armour owned)	**Cincinnati, Nashville, Jeffersonville.**
93595	Jarecki 20% Superphosphate	Geo. C. Goode, Covington
		Guaranteed
92766	Jarecki 16% Acid Phosphate	Manufacturer
		Guaranteed
92767	Jarecki 1-12-1 Fertilizer	Manufacturer
		Guaranteed
92768	Jarecki 2-8-2 Fertilizer	Manufacturer
		Guaranteed
92769	Jarecki Bone Meal	Manufacturer
		Guaranteed
92770	Jarecki Raw Bone	Manufacturer
		Guaranteed
92771	Jarecki 2-12-6 Fertilizer	Manufacturer
		Guaranteed
92772	Jarecki 3-18-3 Fertilizer	Manufacturer
		Guaranteed
92773	Jarecki 4-16-4 Fertilizer	Manufacturer
		Guaranteed
92774	Jarecki 2-16-8 Fertilizer	Manufacturer
		Guaranteed
92775	Jarecki 0-16-8 Fertilizer	Manufacturer
		Guaranteed
92776	Jarecki 2-12-2 Fertilizer	Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
11.40	1.10	12.50						5.61		23.8	93122
10.00								*5.00*		*21.0*	
		29.00				*1.85*	*2.25*				93758
7.85	0.85	8.70			1.21	1.61	1.95	10.26		*36.4*	
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*10.00*		30.9	93112
10.05	0.85	10.90			0.96	1.61	1.95	1.36	2.42	*31.0*	
10.00	*1.00*	*11.00*				*1.65*	*2.00*		*4.00*	27.1	93114
14.60	1.50	16.10			1.41	1.98	2.40	4.59		*28.0*	
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		35.9	93592
10.25	0.95	11.20			0.51	0.81	0.98	3.51		*27.4*	
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*3.00*		23.2	93116
8.80	0.80	9.60			1.13	1.59	1.93	2.59		*22.3*	
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		23.0	93593
9.80	0.95	10.75						5.25		*21.4*	
10.00								*5.00*		21.0	93118
20.60	0.20	20.80								*21.0*	
20.00										24.7	93594
16.05	1.75	17.80								*24.0*	
16.00										19.3	93120
										19.2	
20.70	0.90	21.60								24.8	93595
20.00										*24.0*	
18.65	3.35	22.00								22.4	92766
16.00										*19.2*	
12.90	4.30	17.20			0.81	1.02	1.24	1.22		26.6	92767
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
8.70	0.90	9.60			1.46	1.78	2.16	1.20	1.09	23.6	92768
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
		26.70	100			2.86	3.47			38.1	92769
		27.00				*2.47*	*3.00*			*36.9*	
		23.95	100			3.94	4.78			39.7	92770
		22.00				*3.71*	*4.50*			*36.8*	
13.60	0.90	14.50			2.39	2.39	2.90	6.53		38.2	92771
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*6.00*		*32.0*	
20.05	1.50	21.55			3.78	3.78	4.59	4.19		50.8	92772
18.00	*0.50*	*18.50*				*2.47*	*3.00*	*3.00*		*40.7*	
16.90	0.80	17.70			3.69	3.69	4.48	4.77		46.2	92773
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
16.95	0.80	17.75			1.77	1.77	2.15	8.63		43.2	92774
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*8.00*		*40.4*	
16.95	0.90	17.85						6.64	1.78	36.4	92775
16.00								*8.00*		*33.6*	
12.15	0.85	13.00			1.79	1.79	2.17	2.28		28.5	92776
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Jarecki Chem. Co., Cincinnati, (Armour owned)	**Nashville, Jeffersonville—Con.**
92777	Jarecki 0-12-4 Fertilizer	Manufacturer
		Guaranteed
92778	Jarecki High Aanlysis Tobacco Grower	Manufacturer
		Guaranteed
93596	Jarecki Burley Tobacco Grower	J. C. Ramsey, Mt. Sterling
93597		Geo. C. Goode, Covington
		Guaranteed
92780	Jarecki Plant Bed Special	Manufacturer
		Guaranteed
93748	Jarecki's 32% Superphosphate	Manufacturer
		Guaranteed
93757	Jarecki Multiphos	Manufacturer
		Guaranteed
93760	Jarecki 24% Superphosphate	Manufacturer
		Guaranteed
	Joslin-Schmidt Corporation,	**(Groves Fert. Works), Cincinnati, O.**
92976	Square Brand 2-12-6	Manufacturer
		Guaranteed
93303	Square Brand 2-12-2	Wilson, Winn and Co., Russellville
93598		Ratliff Hardware Co., Princeton
93599		G. M. Hedrick, Monticello
93824		G. M. Hedrick, Monticello
		Guaranteed
93600	Square Brand 2-16-2	G. M. Hedrick, Monticello
		Guaranteed
92979	Square Brand 2-14-4	Manufacturer
		Guaranteed
92980	Square Brand 2-10-8	Manufacturer
		Guaranteed
92981	Square Brand 2-8-16	Manufacturer
		Guaranteed
92982	Square Brand 3-12-4	Manufacturer
		Guaranteed
93304	†Square Brand 3-8-6	A. W. Tarter, Columbia
93602		H. D. Jones, Glasgow
93603		Minges Hdw. Co., Newport
		Guaranteed
93305	†Special Tobacco Fertilizer	R. A. Mayhew Feed Co., Franklin
93606		V. B. Nuckols, Elkton
		Guaranteed
92985	Square Brand 3-18-3	Manufacturer
		Guaranteed
92986	Square Brand 4-24-4	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.00	6.60	18.60						4.91		23.9	92777
12.00								*4.00*		*22.8*	
13.05	2.90	15.95			3.37	3.37	4.09	8.80		44.8	92778
12.00	*0.50*	*12.50*				*3.29*	*4.00*		*8.00*	*43.4*	
8.40	0.40	8.80			1.48	2.18	2.65	0.68	5.50	30.6	93596
8.00	0.95	8.95			1.72	2.32	2.82	0.72	5.24	30.4	93597
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
8.40	0.95	9.35			2.64	3.32	4.03		3.91	32.1	92780
8.00	*0.50*	*8.50*				*3.29*	*4.00*		*3.00*	*29.9*	
38.45	1.05	39.50								46.1	93748
32.00										*38.4*	
45.15	1.45	46.60								54.2	93757
45.00										*54.0*	
27.95	1.10	29.05								33.5	93760
24.00										*28.8*	
13.10	1.80	14.90			1.30	1.75	2.12	6.39		35.0	92976
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*6.00*		*32.2*	
12.45	2.00	14.45			1.54	1.85	2.25	2.68		30.1	93303
12.35	1.55	13.90			0.96	1.80	2.19	2.39		29.2	93598
13.05	1.65	14.70			1.34	1.72	2.09	2.50		30.1	93599
12.90	1.25	14.15			1.37	1.83	2.22	2.70		30.4	93824
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
15.75	1.40	17.15			1.22	1.92	2.33	2.40		35.5	93600
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*2.00*		*33.4*	
14.45	1.35	15.80			1.50	1.92	2.33	4.89		35.8	92979
14.00	*1.00*	*15.00*				*1.65*	*2.00*	*4.00*		*32.8*	
10.60	1.10	11.70			1.46	1.88	2.28	8.91		34.6	92980
10.00	*1.00*	*11.00*				*1.65*	*2.00*	*8.00*		*31.6*	
8.70	0.80	9.50			0.45	1.84	2.23	19.44		44.1	92981
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*16.00*		*38.2*	
12.90	1.20	14.10			2.06	2.75	3.34	4.17		35.8	92982
12.00	*1.00*	*13.00*				*2.47*	*3.00*	*4.00*		*33.1*	
8.60	1.10	9.70			2.03	2.74	3.33	5.78		31.2	93304
8.90	1.10	10.00			1.75	2.32	2.82	5.82		30.1	93602
9.35	1.05	10.40			1.74	2.33	2.83	6.11		31.1	93603
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	
9.45	1.10	10.55			1.81	2.52	3.06	1.92	4.71	34.1	93305
9.25	1.00	10.25			1.61	2.21	2.68	3.88	2.72	31.9	93606
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
20.25	0.35	20.60			0.99	2.53	3.07	3.22		44.5	92985
18.00	*1.00*	*19.00*				*2.47*	*3.00*	*3.00*		*40.9*	
24.40	1.15	25.55			2.92	3.60	4.37	4.77		57.2	92986
24.00	*1.00*	*25.00*				*3.29*	*4.00*	*4.00*		*54.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Joslin-Schmidt Cor. (Groves Fert.	**Works), Cincinnati, O.—Con.**
92987	Square Brand 4-24-12	Manufacturer
		Guaranteed
93306	Square Brand 1-8-4	I. K. Miller and Sons, Campbellsville
93307		Wilson, Winn and Co., Russellville
93608		Cadiz Hardware Co., Cadiz
93825		D. L. D. Sanderfer, Beaver Dam
		Guaranteed
93308	Square Brand 0-10-5	A. W. Tarter, Columbia
93309		R. A. Mayhew Feed Co., Franklin
93609		H. D. Jones, Glasgow
		Guaranteed
92991	Square Brand 0-14-4	Manufacturer
		Guaranteed
92992	Square Brand 0-12-12	Manufacturer
		Guaranteed
93610	Square Brand 0-10-10	H. D. Jones, Glasgow
		Guaranteed
92994	Square Brand 0-20-20	Manufacturer
		Guaranteed
92995	Square Brand 0-8-24	Manufacturer
		Guaranteed
93310	16% Superphosphate—Acid Phosphate	I. K. Miller and Son, Campbellsville
93311		Vine Grove Feed Co., Vine Grove
93611		H. D. Jones, Glasgow
93612		Minges Hdw. Co., Newport
93826		Marion Milling Co., Marion
93887		H. D. Jones, Glasgow
93916		V. B. Nuckols, Elkton
93917		Cadiz Hardware Co., Cadiz
		Guaranteed
93312	†20% Superphosphate (Acid Phosphate)	Vine Grove Feed Co., Vine Grove
93827		A. W. Tarter, Columbia
93828		D. L. D. Sanderfer, Beaver Dam
		Guaranteed
92998	24% Superphosphate (Acid Phosphate)	Manufacturer
		Guaranteed
92999	Regular Bone Mixture	Manufacturer
		Guaranteed
93000	Special Bone Mixture	Manufacturer
		Guaranteed
93829	†2-27 Bone	D. L. D. Sanderfer, Beaver Dam
		Guaranteed
93002	Raw Bone	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
23.70	1.80	25.50			2.21	3.59	4.36	11.90		64.9	92987
24.00	*1.00*	*25.00*				*3.29*	*4.00*	*12.00*		*64.0*	
8.40	1.15	9.55			0.65	0.90	1.09	4.14		21.6	93306
9.35	1.75	11.10			0.70	1.04	1.26	4.09		23.8	93307
8.65	1.15	9.80			0.66	0.94	1.14	4.04		22.1	93608
8.00	0.95	8.95			0.57	0.89	1.08	5.10		22.1	93825
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*4.00*		*20.5*	
11.70	0.90	12.60						8.56		27.8	93308
10.65	0.75	11.40						7.06		24.5	93309
12.60	0.95	13.55						8.01		28.5	93609
10.00								*5.00*		*21.0*	
14.20	1.40	15.60						5.40		27.4	92991
14.00								*4.00*		*25.8*	
13.55	1.25	14.80						12.79		35.7	92992
12.00								*12.00*		*32.4*	
11.00	0.90	11.90						10.09		28.6	93610
10.00								*10.00*		*27.0*	
19.40	1.00	20.40						22.90		56.6	92994
20.00								*20.00*		*54.0*	
9.15	1.10	10.25						25.64		44.5	92995
8.00								*24.00*		*40.8*	
16.65	1.25	17.90								20.0	93310
17.15	1.55	18.70								20.6	93311
19.15	1.30	20.45								23.0	93611
17.05	2.35	20.40								20.5	93612
18.00	0.65	18.65								21.6	93826
16.80	1.00	17.80								20.2	93887
16.70	0.80	17.50								20.0	93916
17.35	1.00	18.35								20.8	93917
16.00										*19.2*	
19.90	1.65	21.55								23.9	93312
20.30	0.30	20.60								24.4	93827
22.70	0.95	23.65								27.2	93828
20.00										*24.0*	
25.15	1.75	26.90								30.2	92998
24.00										*28.8*	
10.80	7.25	18.05			1.12	1.81	2.20	2.79		29.7	92999
8.00	*8.00*	*16.00*				*1.65*	*2.00*	*2.00*		*24.2*	
11.15	10.70	21.85			0.25	1.06	1.29	6.14		32.6	93000
10.00	*10.00*	*20.00*				*0.82*	*1.00*	*5.00*		*28.3*	
		29.15	80	20		1.43	1.74			34.9	93829
		27.00				*1.65*	*2.00*			*33.6*	
		22.35	52	48		3.87	4.70			37.8	93002
		22.00				*3.71*	*4.50*			*36.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Joslin-Schmidt Cor. (Groves Fert. Works) Cincinnati, O.—Con.	
93003	Muriate of Potash	Manufacturer
		Guaranteed
93314	Sulphate of Ammonia	Wilson, Winn and Co., Russellville
		Guaranteed
93315	Nitrate of Soda	Wilson, Winn and Co., Russellville
		Guaranteed
	Ky. Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky.	
93830	Ky. Corn, Wheat and Oats Grower	H. C. Clay, Waynesburg
		Guaranteed
92969	O. K. Wheat and Grain Special	Manufacturer
		Guaranteed
93614	†O. K. Corn, Wheat and Tobacco Grower	Taulbee and Co., Hazard
93616		Chappell Grocery Co., Pineville
		Guaranteed
92971	O. K. High Grade Mixture	Manufacturer
		Guaranteed
93316	O. K. Crop and Tobacco Grower	Burton and Piles, Columbia
		Guaranteed
93317	Golden Leaf Tobacco Grower	J. R. Routt, Hodgenville
93617		Boone County Farm Bureau, Florence
93618		B. D. Jordan and Son, Flemingsburg
93619		L. R. Hart, Big Clifty
		Guaranteed
93318	O. K. 16% Superphosphate	J. W. Burton, Columbia
93620		L. R. Hart, Big Clifty
93621		Guenther Hardware Co., Owensboro
93622		Thompson Fertilizer Co., Mt. Sterling
93831		D. L. D. Sanderfer, Beaver Dam
93918		Dairyman's Feed and Sup. Co., Mayfield
93919		Gatlin-Ferguson Co., Benton
		Guaranteed
92975	O. K. Raw Bone	Manufacturer
		Guaranteed
	Knoxville Fertilizer Co., Knoxville, Tenn.	
93319	Basic Ten-O-Four	Victor Smith, Bowling Green
93320		Auburn Roller Mills, Auburn
93623		Reynolds Burleson, Waynesburg
93624		W. W. Taylor, Somerset
93888		G. H. Bowles and Co., Glasgow
93889		I. H. Hummer and Co., Scottsville
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
								52.24		62.7	93003
								50.00		*60.0*	
						20.56	24.96			82.2	93314
						20.60	*25.00*			*82.4*	
						16.04	19.48			64.2	93315
						15.65	*19.00*			*62.6*	
10.30	1.10	11.40			0.91	1.37	1.66	1.88		23.6	93830
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
14.45	5.75	20.20			1.42	1.42	1.72	2.53		32.7	92969
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
9.95	1.45	11.40			0.51	0.86	1.04	2.04		21.4	93614
10.20	1.10	11.30			0.51	0.91	1.10	1.92		21.7	93616
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
13.10	5.30	18.40			1.38	1.38	1.68	4.97		33.3	92971
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
11.20	3.40	14.60			0.64	1.07	1.30	4.04		27.3	93316
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.55	1.35	9.90			1.10	1.72	2.09	1.67		22.3	93317
8.00	1.30	9.30			1.02	1.58	1.92	2.52		21.9	93617
8.30	1.30	9.60			1.08	1.74	2.11	1.99		22.3	93618
7.85	1.65	9.50			1.21	1.88	2.28	1.85		22.2	93619
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
16.90	2.70	19.60								20.3	93318
16.80	1.50	18.30								20.2	93620
18.60	1.80	20.40								22.5	93621
17.30	1.20	18.50								20.8	93622
18.85	0.45	19.30								22.6	93831
17.45	1.95	19.40								20.9	93918
18.20	1.85	20.05								21.8	93919
16.00										*19.2*	
		24.15	100			4.09	4.97			40.5	92975
		20.00				*3.29*	*4.00*			*33.2*	
11.50	1.10	12.60						3.99		22.0	93319
11.15	1.55	12.70						4.16		21.7	93320
11.60	1.00	12.60						4.18		22.4	93623
11.60	0.90	12.50						4.23		22.5	93624
10.70	1.00	11.70						4.50		21.5	93888
10.80	0.95	11.75						4.38		21.5	93889
10.00								*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Knoxville Fertilizer Co.,	**Knoxville, Tenn.—Con.**
93321	Knox Magnesa Phosphate	E. T. Ford, Cave City
93322		Victor Smith, Bowling Green
93890		I. H. Hummer and Co., Scottsville
93891		G. H. Bowles and Co., Glasgow
		Guaranteed
92815	Knox Vegetable Special	Manufacturer
		Guaranteed
93323	Knox Triple A	Victor Smith, Bowling Green
		Guaranteed
93324	Basic Bone Mix	W. B. and U. G. Robinson, Adairville
		Guaranteed
93325	Bright Burley Brand	E. T. Ford, Cave City
93326		Victor Smith, Bowling Green
93625		C. M. Langdon, Science Hill
93626		Bohannon and Stedman, Versailles
		Guaranteed
93327	Dark Tobacco Brand	W. B. and U. G. Robinson, Adairville
93328		Victor Smith, Bowling Green
		Guaranteed
92820	Basic Twelve-O-Four	Manufacturer
		Guaranteed
92821	Knox Krop Kicker	Manufacturer
		Guaranteed
92822	Sulphate of Potash and Magnesia	Manufacturer
		Guaranteed
92823	Sulphate of Ammonia	Manufacturer
		Guaranteed
92824	Muriate of Potash	Manufacturer
		Guaranteed
93329	Nitrate of Soda	W. B. and U. G. Robinson, Adairville
		Guaranteed
93892	Raw Bone Meal	G. H. Bowles, Glasgow
		Guaranteed
	Louisville Fertilizer Co., (Armour owned)	**Cincinnati, Nashville, Jeffersonville.**
92722	Louisville 3-18-3 Fertilizer	Manufacturer
		Guaranteed
92723	Louisville 4-16-4 Fertilizer	Manufacturer
		Guaranteed
92724	Louisville 4 16-4 Guano	Manufacturer
		Guaranteed
92725	Louisville 2 16-8 Fertilizer	Manufacturer
		Guaranteed
92726	Louisville 2 16-8 Guano	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
16.15	1.55	17.70								19.4	93321
17.40	2.10	19.50								20.9	93322
16.60	2.25	18.85								19.9	93890
16.25	2.40	18.65								19.5	93891
16.00										*19.2*	
10.55	1.15	11.70			0.98	1.76	2.14	4.62		28.9	92815
8.00						*1.65*	*2.00*	*4.00*		*23.4*	
12.00	2.00	14.00			3.02	3.48	4.22	4.17		37.7	93323
10.00						*3.29*	*4.00*	*4.00*		*33.0*	
10.90	1.70	12.60			1.22	1.69	2.05	2.58		26.9	93324
10.00						*1.65*	*2.00*	*2.00*		*24.0*	
10.20	0.95	11.15			1.19	2.00	2.43	3.44	1.02	29.3	93325
10.05	1.05	11.10			1.05	1.98	2.40	3.68	0.76	29.0	93326
9.80	1.05	10.85			1.47	1.99	2.12	4.47		28.4	93625
11.05	0.80	11.85			1.28	1.88	2.28	3.48	0.91	30.0	93626
9.00						*2.00*	*2.43*	*2.00*	*2.00*	*26.9*	
10.10	0.90	11.00			1.08	1.93	2.34	3.40	0.82	28.5	93327
10.50	0.80	11.30			1.17	1.98	2.40	4.38		29.3	93328
9.00						*2.00*	*2.43*	*2.00*	*2.00*	*26.9*	
12.35	1.30	13.65						4.70		24.2	92820
12.00								*4.00*		*22.8*	
11.10	1.65	12.75			1.29	1.67	2.03	4.21		29.0	92821
10.00						*1.65*	*2.00*	*4.00*		*26.4*	
								2.88	23.56	38.8	92822
									26.00	*39.0*	
						20.44	24.82			81.8	92823
						19.77	*24.00*			*79.1*	
								32.32	19.20	67.6	92824
								50.00		*60.0*	
						15.88	19.28			63.5	93329
						15.00	*18.21*			*60.0*	
		21.40	76	24		3.87	4.70			36.9	93892
		20.00				*3.71*	*4.50*			*34.8*	
20.05	1.50	21.55			3.78	3.78	4.59	4.19		50.8	92722
18.00	*0.50*	*18.50*				*2.47*	*3.00*	*3.00*		*40.7*	
16.90	0.80	17.70			3.69	3.69	4.48	4.77		46.2	92723
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
16.90	0.80	17.70			3.69	3.69	4.48	4.77		46.2	92724
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
16.95	0.80	17.75			1.77	1.77	2.15	8.63		43.2	92725
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*8.00*		*40.4*	
16.95	0.80	17.75			1.77	1.77	2.15	8.63		43.2	92726
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*8.00*		*40.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., Cincinnati, Nashville, Jeffersonville—Con. (Armour owned)	
92727	Louisville 0-16-8 Fertilizer	Manufacturer
		Guaranteed
92728	Louisville 0-16-8 Guano	Manufacturer
		Guaranteed
92729	Louisville 4-12-8 Guano	Manufacturer
		Guaranteed
93627	Louisville 2-12-2 Fertilizer	Patrick Dillon, Hardinsburg
		Guaranteed
92731	Louisville 2-12-2 Guano	Manufacturer
		Guaranteed
92732	Louisville 0-12-4 Guano	Manufacturer
		Guaranteed
92733	Louisville Big Tobacco Maker	Manufacturer
		Guaranteed
92734	Louisville 0-12-4 Fertilizer	Manufacturer
		Guaranteed
92735	Louisville High Analysis Tobacco Grower	Manufacturer
		Guaranteed
93628	†Louisville Burley Tobacco Grower	Irvington Hdw. and Imp. Co., Irvington
		Guaranteed
92737	Louisville Tobacco Grower	Manufacturer
		Guaranteed
92738	Louisville Farmer's Pride	Manufacturer
		Guaranteed
92739	Louisville Old Black Joe	Manufacturer
		Guaranteed
93330	†Louisville 20% Superphosphate	Burton and Piles, Columbia
		Guaranteed
93332	Louisville 16% Acid Phosphate	J. Ruby, Central City
93920		Bishop and Bishop, Providence
		Guaranteed
92742	Louisville 1-12-1 Guano	Manufacturer
		Guaranteed
92743	Louisville 1-12-1 Fertilizer	Manufacturer
		Guaranteed
92744	Louisville 2-8-2 Guano	Manufacturer
		Guaranteed
92745	Louisville 2-8-2 Fertilizer	Manufacturer
		Guaranteed
92747	Louisville Raw Bone	Manufacturer
		Guaranteed
92748	Louisville 2-12-6 Fertilizer	Manufacturer
		Guaranteed
92749	Louisville Plant Bed Special	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
16.95	0.90	17.85						6.64	1.78	36.4	92727
16.00								*8.00*		*33.6*	
16.95	0.90	17.85						6.64	1.78	36.4	92728
16.00								*8.00*		*33.6*	
13.05	2.90	15.95			3.37	3.37	4.09	8.80		44.8	92729
12.00	*0.50*	*12.50*				*3.29*	*4.00*	*8.00*		*41.0*	
12.05	1.00	13.05			1.64	1.64	1.99	2.31		27.8	93627
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
12.15	0.85	13.00			1.79	1.79	2.17	2.28		28.5	92731
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
12.00	6.60	18.60						4.91		23.9	92732
12.00								*4.00*		*22.8*	
8.45	0.40	8.85			1.78	2.41	2.93	0.64	8.76	36.4	92733
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
12.00	6.60	18.60						4.91		23.9	92734
12.00								*4.00*		*22.8*	
12.05	1.25	13.30			2.66	3.50	4.25	1.24	8.30	46.5	92735
12.00	*0.50*	*12.50*				*3.29*	*4.00*		*8.00*	*43.4*	
8.25	0.45	8.70			1.80	2.36	2.87	0.64	5.59	31.2	93628
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
7.80	6.80	14.60			1.23	1.81	2.20		5.92	30.5	92737
8.00	*0.50*	*8.50*				*1.65*	*2.00*		*4.00*	*24.8*	
10.50	8.05	18.55			2.29	2.59	3.14	3.49		33.5	92738
10.00	*0.50*	*10.50*				*2.47*	*3.00*	*3.00*		*28.7*	
8.35	9.95	18.30			1.45	1.77	2.15	4.87		29.4	92739
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*4.00*		*23.6*	
20.60	0.65	21.25								24.7	93330
20.00										*24.0*	
17.25	2.85	20.10								20.7	93332
16.20	3.85	20.05								19.4	93920
16.00										*19.2*	
12.90	4.30	17.20			0.81	1.02	1.24	1.22		26.6	92742
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
12.90	4.30	17.20			0.81	1.02	1.24	1.22		26.6	92743
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
8.70	0.90	9.60			1.46	1.78	2.16	1.20	1.09	23.6	92744
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
8.70	0.90	9.60			1.46	1.78	2.16	1.20	1.09	23.6	92745
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
		23.95	100			3.94	4.78			39.7	92747
		22.00				*3.71*	*4.50*			*36.8*	
13.60	0.90	14.50			2.39	2.39	2.90	6.53		38.2	92748
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*6.00*		*32.0*	
8.40	0.95	9.35			2.64	3.32	4.03		3.91	32.1	92749
8.00	*0.50*	*8.50*				*3.29*	*4.00*		*3.00*	*29.9*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., Cincinnati, Nashville, Jeffersonville—Con. (Armour owned)	
92750	Bear Brand Tobacco Grower	Manufacturer Guaranteed
92751	Bear Brand Farmer's Pride	Manufacturer Guaranteed
92752	Bear Brand Old Black Joe	Manufacturer Guaranteed
92753	Bear Brand 20% Superphosphate	Manufacturer Guaranteed
92754	Bear Brand 16% Superphosphate	Manufacturer Guaranteed
92755	Bear Brand 1-12-1 Guano	Manufacturer Guaranteed
92756	Bear Brand 2-8-2 Guano	Manufacturer Guaranteed
92757	Bear Brand Bone Meal	Manufacturer Guaranteed
92758	Bear Brand Raw Bone	Manufacturer Guaranteed
92759	Bear Brand 4-16-4 Guano	Manufacturer Guaranteed
92760	Bear Brand 2-16-8 Guano	Manufacturer Guaranteed
92761	Bear Brand 0-16-8 Guano	Manufacturer Guaranteed
92762	Bear Brand 4-12-8 Guano	Manufacturer Guaranteed
92763	Bear Brand 2-12-2 Guano	Manufacturer Guaranteed
92764	Bear Brand Big Tobacco Maker	Manufacturer Guaranteed
93832	Louisville 16% Superphosphate	Louis Cohen, Central City. Guaranteed
93078	Louisville Spl. Tobacco Grower 2-8-2	Manufacturer Guaranteed
93747	Louisville 32% Superphosphate	Manufacturer Guaranteed
93756	Louisville Multiphos	Manufacturer Guaranteed
93761	Louisville 24% Superphosphate	Manufacturer Guaranteed
	Memphis Fertilizer Factory.	**Memphis, Tenn.**
92794	Memphis Complete Fertilizer 10-2.47-3	Manufacturer Guaranteed
93631	Memphis Complete Fertilizer 8-2.47-6	Yopp Seed Co., Paducah Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
7.80	6.80	14.60			1.23	1.81	2.20		5.92	30.5	92750
8.00	*0.50*	*8.50*				*1.65*	*2.00*		*4.00*	*24.8*	
10.50	8.05	18.55			2.29	2.59	3.14	3.49		33.5	92751
10.00	*0.50*	*10.50*				*2.47*	*3.00*	*3.00*		*28.7*	
8.35	9.95	18.30			1.45	1.77	2.15	4.87		29.4	92752
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*4.00*		*23.6*	
21.90	0.30	22.20								26.3	92753
20.00										*24.0*	
18.65	3.35	22.00								22.4	92754
16.00										*19.2*	
12.90	4.30	17.20			0.81	1.02	1.24	1.22		26.6	92755
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
8.70	0.90	9.60			1.46	1.78	2.16	1.20	1.09	23.6	92756
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
		26.70	100			2.86	3.47			38.1	92757
		27.00				*2.47*	*3.00*			*36.9*	
		23.95	100			3.94	4.78			39.7	92758
		22.00				*3.71*	*4.50*			*36.8*	
16.90	0.80	17.70			3.69	3.69	4.48	4.77		46.2	92759
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
16.95	0.80	17.75			1.77	1.77	2.15	8.63		43.2	92760
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*8.00*		*40.4*	
16.95	0.90	17.85						6.64	1.78	36.4	92761
16.00								*8.00*		*33.6*	
13.05	2.90	15.95			3.37	3.37	4.09	8.80		44.8	92762
12.00	*0.50*	*12.50*				*3.29*	*4.00*	*8.00*		*41.0*	
12.15	0.85	13.00			1.79	1.79	2.17	2.28		28.5	92763
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
8.45	0.40	8.85			1.78	2.41	2.93	0.64	8.76	36.4	92764
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
16.40	3.85	20.25								19.7	93832
16.00										*19.2*	
8.70	0.90	9.60			1.46	1.78	2.16	1.20	1.09	23.6	93078
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
38.45	1.05	39.50								46.1	93747
32.00										*38.4*	
45.15	1.45	46.60								54.2	93756
45.00										*54.0*	
27.95	1.10	29.05								33.5	93761
24.00										*28.8*	
10.20	1.70	11.90			2.63	2.63	3.19	2.94		30.0	92794
10.00	*1.00*	*11.00*				*2.47*	*3.00*	*3.00*		*28.9*	
8.55	1.15	9.70			2.61	2.61	3.17	5.98		30.9	93631
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Memphis Fertilizer Factory,	**Memphis, Tenn.—Con.**
92796	Memphis Fertilizer 10-0-4	Manufacturer
		Guaranteed
93632	Memphis Acid Phosphate	Marion Milling Co., Marion
93833		Cayce-Yost Co., Hopkinsville
		Guaranteed
93633	Nitrate of Soda	Yopp Seed Co., Paducah
		Guaranteed
93415	Memphis Complete Fertilizer 8-1.65-2	Manufacturer
		Guaranteed
93416	Memphis Complete Fertilizer 8-1.65-5	Manufacturer
		Guaranteed
	National Chemical Co.,	**Louisville, Ky.**
92872	Big Pay Wheat and Corn Grower 1-10-2	Manufacturer
		Guaranteed
92873	Big Pay Crady's Formula 1-11-3	Manufacturer
		Guaranteed
92874	Big Pay Crop and Tobacco Fertilizer 1-8-4	Manufacturer
		Guaranteed
92875	Big Pay Tobacco Grower 2-8-2	Manufacturer
		Guaranteed
92876	Big Pay Beef, Blood and Bone Fertilizer 2-8-2	Manufacturer
		Guaranteed
92877	Big Pay Ky. Spl. Tobacco Grower 2-8-5	Manufacturer
		Guaranteed
93634	Big Pay H. Gr. Fertilizer 2-10 2	Farmers' Supply Co., Stanford
93635		Augusta Conf. and Storage Co., Augusta
93834		Clem Keltner, Campbellsville
		Guaranteed
92879	Big Pay Black Bone Tobacco Grower 2-10-2	Manufacturer
		Guaranteed
92881	Big Pay Tomato and Tobacco Fertilizer 2-12-6	Manufacturer
		Guaranteed
92882	Big Pay 2-16-2 Fertilizer	Manufacturer
		Guaranteed
92883	Big Pay 2-16-8 Formula	Manufacturer
		Guaranteed
93638	Big Pay Spl. Tobacco and Potato Fertilizer 3-8-6	Farmers' Supply Co., Danville
		Guaranteed
92886	Big Pay Extra Special Tobacco Grower 3-8-10	Manufacturer
		Guaranteed
92887	Big Pay Front Rank Fertilizer 3-12-4	Manufacturer
		Guaranteed
92888	Big Pay Champion Potato and Tobacco Fertilizer 4-10-4	Manufacturer
		Guaranteed
92889	Big Pay Potash Mixture 0-10-4	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.70	1.25	10.95						4.19		19.6	92796
10.00								*4.00*		*19.8*	
18.50	2.95	21.45								22.2	93632
16.60	1.10	17.70								19.9	93833
16.00										*19.2*	
						15.28	18.54			61.1	93633
						15.00	*18.21*			*60.0*	
8.30	1.30	9.60			1.63	1.63	1.98	2.34		22.3	93415
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
8.95	1.15	10.10			1.87	1.87	2.27	5.43		27.9	93416
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*5.00*		*25.0*	
12.35	7.60	19.95			1.47	1.47	1.78	3.62		31.8	92872
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
13.25	5.65	18.90			1.38	1.38	1.68	4.55		33.1	92873
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
10.60	9.20	19.80			1.40	1.40	1.70	5.61		31.9	92874
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
11.05	8.95	20.00			2.36	2.36	2.87	3.60		33.9	92875
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.05	10.35	19.40			2.76	2.76	3.35	3.32		32.7	92876
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.25	6.95	17.20			2.54	2.54	3.08	6.61		36.3	92877
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
9.45	1.55	11.00			1.18	1.78	2.16	2.03		24.4	92634
9.45	0.95	10.40			1.23	1.86	2.26	1.60	0.67	24.9	93635
10.35	1.65	12.00			1.35	1.91	2.32	2.43		26.8	93834
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
12.10	6.20	18.30			2.52	2.52	3.06	3.68		35.1	92879
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
13.40	1.75	15.15			2.45	2.45	2.97	8.39		40.7	92881
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
19.00	0.60	19.60			2.53	2.53	3.07	4.23		43.9	92882
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
16.95	1.55	18.50			2.49	2.49	3.02	10.01		48.0	92883
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*8.00*		*41.0*	
8.10	1.80	9.90			1.79	2.55	3.10	5.90		30.2	93638
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
10.10	2.80	12.90			3.25	3.25	3.95	1.36	10.92	47.3	92886
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*10.00*	*37.7*	
13.75	1.30	15.05			3.08	3.08	3.74	6.31		41.0	92887
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
11.70	2.80	14.50			4.57	4.57	5.55	6.10		44.3	92888
10.00	2.00	12.00				*3.29*	*4.00*	*4.00*		*33.8*	
11.25	9.50	20.75						5.84		23.9	92889
10.00								*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	National Chemical Co.,	**Louisville, Ky.—Con.**
92890	Big Pay Tobacco Bed Special 4-10-0	Manufacturer
		Guaranteed
93639	Big Pay H. Gr. Superphosphate 0-16-0	Farmers' Supply Co., Danville
93835		Clem Keltner, Campbellsville
93836		Farmers' Supply Co., Richmond
		Guaranteed
93640	Big Pay 20% Superphosphate	Farmers' Supply Co., Stanford
93641		Farmers' Supply Co., Richmond
93837		E. S. Ferrill and Sons, Buffalo
93838		Clem Keltner, Campbellsville
		Guaranteed
92893	Big Pay Steam Bone 1¼-30-0	Manufacturer
		Guaranteed
92894	Big Pay Raw Bone 4½-22-0	Manufacturer
		Guaranteed
93839	Big Pay Corn and Wheat Special 1-10-1	E. S. Ferrill and Sons, Buffalo
		Guaranteed
	Nitrate Agencies Co.,	**New Orleans, La.**
92480	Nitrate of Soda and Potash	*
		Guaranteed
93333	Nitrate of Soda	R. W. Wilson, Auburn
		Guaranteed
	North American Fertilizer Co.	**Inc., Louisville, Ky.**
93335	N. A. Wheat and Corn Grower 1-10-2	A. G. Miller and Co., Magnolia
93336		Farm Bureau Sup. Co., Elizabethtown
93337		I. K. Miller and Sons, Campbellsville
93840		Farm Bureau Sup. Co., Elizabethtown
93841		I. K. Miller and Sons, Campbellsville
93842		J. E. Shadoan, Frazier
		Guaranteed
93334	†N. A. Crady's Formula 1-11-3	Union Store Co., Fern Creek
		Guaranteed
93338	N. A. Crop and Tobacco Fertilizer 1-8-4	Henry Durham, Greensburg
93339		I. K. Miller and Sons, Campbellsville
93340		Aaron L. Moore and Son, Leitchfield
		Guaranteed
93341	N. A. Tobacco Grower 2-8-2	A. G. Miller and Co., Magnolia
93643		John A. Sheehan, Falmouth
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.30	3.70	16.00			5.07	5.07	6.15			40.2	92890
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
16.20	1.20	17.40								19.4	93639
17.30	1.20	18.50								20.8	93835
17.20	0.85	18.05								20.6	93836
16.00										*19.2*	
21.15	1.00	22.15								25.4	93640
20.60	1.60	22.20								24.7	93641
20.05	0.90	20.95								24.1	93837
21.50	1.00	22.50								25.8	93838
20.00										*24.0*	
		32.35	84	16		0.72	0.87			35.2	92893
		30.00				*1.03*	*1.25*			*34.1*	
		23.85	100			3.89	4.72			39.4	92894
		22.00				*3.71*	*4.50*			*36.8*	
10.40	1.10	11.50			0.58	0.95	1.15	1.22		21.3	93839
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
											92480
						15.00	*18.22*		*12.40*	*78.6*	
						15.72	19.08			62.9	93333
						15.00	*18.22*			*60.0*	
11.05	1.25	12.30			0.61	1.02	1.24	2.04		23.6	93335
11.90	1.20	13.10			0.45	0.77	0.93	1.64		23.4	93336
11.15	1.50	12.65			0.45	0.81	0.98	1.86		22.8	93337
10.10	1.40	11.50			0.66	1.03	1.25	2.12		22.4	93840
10.15	0.95	11.10			0.71	1.10	1.34	1.82		22.2	93841
10.40	1.00	11.40			0.64	1.09	1.32	2.11		22.9	93842
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
11.35	1.50	12.85			0.58	0.96	1.17	3.02		25.1	93334
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
10.10	1.60	11.70			0.75	1.28	1.55	4.70		26.6	93338
8.45	1.35	9.80			0.54	0.99	1.20	4.21		22.2	93339
8.95	1.60	10.55			0.66	1.08	1.31	4.21		23.4	93340
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.45	1.85	10.30			1.24	2.00	2.43	2.08		23.9	93341
7.85	1.35	9.20			1.07	1.65	2.00	1.90		21.2	93643
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	North American Fertilizer Co., Inc., Louisville, Ky.—Con.	
93342	N. A. Beef, Blood and Bone Fertilizer 2-8-2	Aaron L. Moore and Son, Leitchfield....
93921		Aaron L. Moore and Son, Leitchfield....
		Guaranteed
93343	†N. A. Ky. Spl. Tobacco Grower 2-8-5	John P. Hutchinson, Columbia....
		Guaranteed
92855	N. A. H. Gr. Fertilizer 2-10-2.....	Manufacturer
		Guaranteed
93344	N. A. Black Bone Tobacco Grower 2-10-2	Aaron L. Moore and Son, Leitchfield.....
93345		I. K. Miller and Sons, Campbellsville....
93645		T. C. Mastin, Beaver Dam.....
93922		Aaron L. Moore and Son, Leitchfield.....
		Guaranteed
93646	N. A. Champion 2-12-2	J. E. Shadoan, Frazier.....
93647		Aaron L. Moore and Son, Leitchfield. ....
93843		J. E. Shadoan, Frazier.....
93844		Grigsby and Co., Bardstown.....
93923		Aaron L. Moore and Son, Leitchfield.....
		Guaranteed
92859	N. A. 2-16-2 Fertilizer	Manufacturer
		Guaranteed
92860	N. A. 2-16-8 Formula	Manufacturer
		Guaranteed
93347	†N. A. Spl. Tobacco and Potato Fertilizer 3-8-6	I. K. Miller and Sons, Campbellsville....
93649		Trent, Mitcham and Board, Irvington....
		Guaranteed
93651	†N. A. Spl. Tobacco and Potato Grower 3 8 6	John A. Sheehan, Falmouth.....
		Guaranteed
92863	N. A. Extra Spl. Tobacco Grower 3 8-10	Manufacturer
		Guaranteed
92864	N. A. Front Rank Fertilizer 3-12-4	Manufacturer
		Guaranteed
92865	N. A. Champion Potato and Tobacco Fertilizer 4-10-4	Manufacturer
		Guaranteed
93652	N. A. Potash Mixture 0-10-4	Trent, Mitcham and Board, Irvington....
		Guaranteed
92867	N. A. Tobacco Bed Special 4-10-0	Manufacturer
		Guaranteed
93348	N. A. Superphosphate 16%	A. G. Miller and Co., Magnolia.....
93349		Farm Bureau Sup. Co., Elizabethtown....
93350		I. K. Miller and Sons, Campbellsville....
93351		Aaron L. Moore and Son, Leitchfield.....
93352		D. A. Davis, Jeffersontown.....
93845		I. K. Miller and Sons, Campbellsville....
93846		Henry Durham, Greensburg.....

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.40	1.70	10.10			1.22	1.84	2.23	2.47		23.6	93342
8.80	1.35	10.15			1.20	1.75	2.12	2.48		23.7	93921
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
8.05	1.75	9.80			1.12	1.76	2.14	4.65		25.4	93343
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
12.05	6.15	18.20			2.42	2.42	2.94	3.64		34.6	92855
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
10.65	1.05	11.70			0.89	1.64	1.99	2.48		25.9	93344
10.50	1.50	12.00			1.07	1.72	2.09	2.00		25.6	93345
10.15	3.60	13.75			1.00	1.62	1.97	2.89		26.6	93645
9.50	1.10	10.60			0.84	1.87	2.27	2.81		25.5	93922
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
12.00	1.90	13.90			1.01	1.64	1.99	1.81		27.5	93646
11.60	1.35	12.95			0.91	2.00	2.43	2.91		29.4	93647
11.65	1.10	12.75			1.26	1.91	2.32	2.19		28.2	93843
14.40	1.70	16.10			1.07	1.47	1.78	2.05		30.6	93844
12.60	1.55	14.15			1.30	1.85	2.25	2.18		29.5	93923
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
19.00	0.60	19.60			2.53	2.53	3.07	4.23		43.9	92859
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
16.95	1.55	18.50			2.49	2.49	3.02	10.01		48.0	92860
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*8.00*		*41.0*	
8.10	1.55	9.65			1.74	2.44	2.96	5.72		29.4	93347
9.10	1.60	10.70			1.63	2.29	2.78	5.68		30.3	93649
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
8.25	1.15	9.40			1.78	2.64	3.20	4.20	6.07	37.6	93651
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
10.10	2.80	12.90			3.25	3.25	3.95	1.36	10.92	47.3	92863
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*10.00*	*37.7*	
13.75	1.30	15.05			3.08	3.08	3.74	6.31		41.0	92864
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
11.70	2.80	14 50			4.57	4.57	5.55	6.10		44.3	92865
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
11.45	0.90	12.35						4.52		22.6	93652
10.00								*4.00*		*19.8*	
12.30	3.70	16.00			5.07	5.07	6.15			40.2	92867
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
16.80	1.50	18.30								20.2	93348
16.75	1.50	18.25								20.1	93349
16.85	1.35	18.20								20.2	93350
17.85	1.05	18.90								21.4	93351
17.30	1.30	18.60								20.8	93352
17.45	1.10	18.55								20.9	93845
17.40	0.90	18.30								20.9	93846

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	North American Fertilizer Co., Inc., Louisville, Ky.—Con.	
93847	N. A. Superphosphate 16%	Henry Durham, Greensburg
93848		J. E. Shadoan, Frazier
		Guaranteed
93653	N. A. Superphosphate 20%	Aaron L. Moore and Son, Leitchfield
93732		C. H. Wallace, Racine
93849		I. K. Miller and Sons, Campbellsville
93924		Aaron L. Moore and Son, Leitchfield
		Guaranteed
92870	N. A. Steam Bone 1¼-30-0	Manufacturer
		Guaranteed
93139	N. A. Blue Grass H. Gr. Tobacco Fertilizer 7-8-3	Manufacturer
		Guaranteed
	Price Chemical Co., Inc., Louisville, Ky.	
93655	Potato Special	R. T. Kirkman, Elkton
		Guaranteed
93354	Special Corn and Wheat Fertilizer	J. H. Myers, Lebanon
93355		Skidmore Hdw. Co., Elizabethtown
		Guaranteed
92618	Universal Crop Fertilizer	Manufacturer
		Guaranteed
92619	Vegetable, Potato and Tobacco Fertilizer	Manufacturer
		Guaranteed
92620	Bone Phosphate and Tankage	Manufacturer
		Guaranteed
92621	Harvest King	Manufacturer
		Guaranteed
93356	Blue Grass Tobacco Fertilizer	I. K. Miller and Sons, Campbellsville
93656		J. H. Jasper, W. Somerset
		Guaranteed
93357	Old Time Grain Fertilizer	W. L. Anderson and Son, Caneyville
93358		Skidmore Hdw. Co., Elizabethtown
		Guaranteed
93359	Old Time Tobacco Fertilizer	J. A. Shaver, Greenville
93360		J. H. Meyers, Lebanon
93657		Eldred Hardware Co., Princeton
93658		Eugene Tarry, Murray
93852		John H. Meyers, Lebanon
		Guaranteed
93361	Superior Tobacco Fertilizer	J. A. Shaver, Greenville
93659		Aaron L. Moore and Son, Leitchfield
		Guaranteed
93362	Kentucky Special	Walters Bros., Shelbyville
		Guaranteed
92627	Tomato Special	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
17.05	1.50	18.55								20.5	93847
16.60	1.45	18.05								19.9	93848
16.00										*19.2*	
20.95	0.80	21.75								25.1	93653
21.00	1.45	22.45								25.2	93732
21.80	0.90	22.70								26.2	93849
22.05	1.10	23.15								26.5	93924
20.00										*24.0*	
		32.35	84	16		0.72	0.87			35.2	92870
		30.00				*1.03*	*1.25*			*34.1*	
10.35	2.00	12.35			7.05	7.05	8.56	5.79		53.2	93139
8.00	*2.00*	*10.00*				*5.77*	*7.00*		*3.00*	*40.4*	
10.80	1.35	12.15			2.55	3.20	3.88	0.81	3.38	35.6	93655
10.00	*2.00*	*12.00*				*3.29*	*4.00*		*4.00*	*35.0*	
11.45	0.45	11.90			0.91	1.20	1.46	0.68	0.88	24.3	93354
10.05	1.50	11.55			0.53	0.93	1.13	1.40		21.1	93355
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
14.15	3.50	17.65			1.10	1.10	1.34	0.88	0.43	28.7	92618
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
12.85	3.50	16.35			1.09	1.09	1.32	3.30		29.0	92619
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
11.55	3.70	15.25			1.10	1.10	1.34	2.43		26.1	92620
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
9.75	3.00	12.75			1.12	1.12	1.36	3.29		24.3	92621
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
8.80	1.00	9.80			0.61	0.89	1.08	4.50		22.6	93356
8.80	1.10	9.90			0.58	0.91	1.10	4.01		22.1	93656
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
10.50	0.80	11.30			1.56	1.83	2.22	2.09		25.9	93357
9.25	1.05	10.30			1.25	1.76	2.14	2.22		24.0	93358
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.15	0.30	9.45			1.53	1.81	2.20	0.40	1.72	24.2	93359
9.55	0.45	10.00			1.57	1.85	2.25		2.10	25.1	93360
8.90	0.80	9.70			1.21	1.69	2.05		2.08	23.6	93657
8.60	0.90	9.50			1.40	1.73	2.10		2.59	24.1	93658
8.25	0.70	8.95			1.43	1.76	2.14	0.92	1.55	23.1	93852
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*2.00*	*22.4*	
9.55	0.60	10.15			1.41	1.78	2.16	0.64	4.15	28.7	93361
9.20	1.00	10.20			1.41	1.71	2.08	0.68	4.27	28.3	93659
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
13.45	2.00	15.45			1.11	1.49	1.81	2.10		29.5	93362
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
11.70	3.55	18.25			1.69	1.89	2.29	6.60		39.0	92627
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Price Chemical Co., Inc.,	**Louisville, Ky.—Con.**
92628	Truck and Tobacco Fertilizer	Manufacturer .....
		Guaranteed .....
92629	Three-Eight-Six Tobacco Fertilizer	Manufacturer .....
		Guaranteed .....
93363	†3-8-6 Tobacco Grower	Walters Bros., Shelbyville.....
93364		J. A. Shaver, Greenville.....
93365		E. T. Ford, Cave City.....
		Guaranteed .....
92631	3-8-6 Potato Grower	* .....
		Guaranteed .....
92632	4-16-4 Fertilizer	Manufacturer .....
		Guaranteed .....
93366	Plant Bed Manure	Skidmore Hardware Co., Elizabethtown
		Guaranteed .....
92634	Ten and Ten Per Cent Potash Fertilizer	Manufacturer .....
		Guaranteed .....
93367	Potash Tobacco Fertilizer	H. C. Chilson, Columbia.....
		Guaranteed .....
93368	Superphosphate 16%	J. A. Shaver, Greenville.....
93369		W. L. Anderson and Son, Caneyville.....
93370		J. H. Myers, Lebanon.....
93853		Eldred Hardware Co., Princeton.....
93926		W. L. Anderson and Sons, Caneyville....
		Guaranteed .....
93893	Superphosphate 20%	R. A. Mayhew Feed Co., Franklin.....
		Guaranteed .....
92638	Superphosphate 24%	Manufacturer .....
		Guaranteed .....
93371	Phosphate and Tobacco (200-lb. tobacco stems)	J. A. Shaver, Greenville.....
93372		I. K. Miller and Sons, Campbellsville....
93373		H. G. Chilson, Columbia.....
93662		J. H. Jasper, W. Somerset.....
93894		R. A. Mayhew Feed Co., Franklin.....
		Guaranteed .....
93663	Steamed Bone	R. T. Kirkman, Elkton.....
		Guaranteed .....
92643	Steamed Bone Meal 2-27	Manufacturer .....
		Guaranteed .....
93374	Excelsior Potato Mixture	C. C. Crabb, Eminence.....
		Guaranteed .....
93661	3-8-6 Potato Grower	Bowling and Clay, Catlettsburg.....
		Guaranteed .....
93854	Standard Grain	W. J. Gunnaway, Hodgenville.....
		Guaranteed .....
93727	A-1 Grain Grower	Manufacturer .....
		Guaranteed .....

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.55	3.45	15.00			2.71	2.71	3.29	3 55		33.8	92628
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*3.00*		*26.3*	
11.55	3.00	14.55			2.59	2.79	3.39	6.84		37.9	92629
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
9.15	1.40	10.55			1.82	2.33	2.83	0.84	5.15	32.4	93363
9.55	0.95	10.50			2.10	2.56	3.11	0.72	5.24	33.7	93364
9.45	0.50	9.95			1.99	2.44	2.96	0.68	5.52	33.2	93365
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
											92631
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
17.40	3.00	20.40			3.43	3.68	4.47	4.75		47.7	92632
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	
10.05	0.70	10.75			2.41	3.77	4.58			30.4	93366
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
11.50	1.60	13.10						10.83		33.5	92634
10.00								*10.00*		*27.0*	
11.15	0.55	11.70						4.60		22.3	93367
10.00								*5.00*		*21.0*	
17.40	1.05	18.45								20.9	93368
16.85	1.75	18.60								20.2	93369
17.25	1.40	18.65								20.7	93370
16.40	0.50	16.90								19.7	93853
16.65	0.70	17.35								20.0	93926
16.00										*19.2*	
21.10	0.40	21.50								25.3	93893
20.00										*24.0*	
27.00	1.70	28.70								32.4	92638
24.00										*28.8*	
15.10	1.20	16.30								18.1	93371
14.85	1.20	16.05								17.8	93372
15.55	0.35	15.90								18.7	93373
15.05	2.10	17.15								18.1	93662
15.50	1.00	16.50								18.6	93894
14.00										*16.8*	
		30.50	82	18		1.65	2.00			37.1	93663
		30.00				*1.03*	*1.25*			*34.1*	
		28.45	84	16		1.78	2.16			35.6	92643
		27.00				*1.65*	*2.00*			*33.6*	
11.05	0.85	11.90			3.50	4.19	5.09	0.80	4.48	41.4	93374
10.00	*2.00*	*12.00*				*4.12*	*5.00*		*5.00*	*39.8*	
8.75	0.80	9.55			2.24	2.68	3.25	7.19		32.8	93661
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
17.10	1.10	18.20			1.35	1.77	2.15	2.39		36.0	93854
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
14.70	3.55	18.25			1.69	1.89	2.29	6.60		39.0	93727
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Price Chemical Co., Inc.,	**Louisville, Ky.—Con.**
93728	Economy Grain	Manufacturer
		Guaranteed
93855	Beef, Blood and Bone	M. F. Hopson and Son, Cerulean
93927		W. L. Anderson and Son, Caneyville
		Guaranteed
	Rasin Monumental Co., Sub. of Va.-Car. Chem. Corp., Cincinnati,	**O., Nashville, Tenn.**
93048	Rasin's Pure Bone Meal (steamed)	Manufacturer
		Guaranteed
93895	Rasin's Superphosphate 16%	Barren County Grocery and Hardware Co., Glasgow
		Guaranteed
93050	Rasin's Superphosphate 20%	Manufacturer
		Guaranteed
93051	Rasin's Superphosphate 24%	Manufacturer
		Guaranteed
93052	Rasin's 10-4 Acid and Potash	Manufacturer
		Guaranteed
93053	Rasin's Big Giant Phosphate	Manufacturer
		Guaranteed
93054	Rasin's Reliable Wheat and Corn Fertilizer	Manufacturer
		Guaranteed
93055	Rasin's General Favorite	Manufacturer
		Guaranteed
93056	Rasin's Sweepstakes Fertilizer	Manufacturer
		Guaranteed
93058	Rasin's 3-18-3 Fertilizer	Manufacturer
		Guaranteed
93059	Rasin's 2-8-4 Tobacco Grower (Potash from Sulphate)	Manufacturer
		Guaranteed
93060	Rasin's Burley Tobacco Grower (Potash from Sulphate)	Manufacturer
		Guaranteed
93739	Rasin's Phospho Tobacco 16%	Manufacturer
		Guaranteed
93740	Rasin's Phospho Tobacco 24%	Manufacturer
		Guaranteed
93741	Rasin's Potash Phospho Tobacco 14-4	Manufacturer
		Guaranteed
93742	Rasin's Ammoniated Phospho Tobacco 2-12-2	Manufacturer
		Guaranteed
	Read Phosphate Co.,	**Nashville, Tenn.**
92482	Red Diamond 16-2-2	Manufacturer
		Guaranteed
92483	Premium Grain Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
12.85	3.50	16.35			1.09	1.09	1.32	3.30		29.0	93728
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
9.10	0.60	9.70			1.31	1.77	2.15	2.18		23.6	93855
9.70	0.75	10.45			1.37	1.72	2.09	1.40	0.53	24.2	93927
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
		33.20	79	21		0.73	0.89			36.1	93048
		27.50				*0.82*	*1.00*			*30.8*	
17.10	4.25	21.35								20.5	93895
16.00										*19.2*	
21.25	2.45	23.70								25.5	93050
20.00										*24.0*	
25.10	0.60	25.70								30.1	93051
24.00										*28.8*	
13.45	6.70	20.15						4.42		25.5	93052
10.00								*4.00*		*19.8*	
8.80	6.20	15.00			0.57	0.85	1.03	3.18		22.9	93053
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
10.50	7.50	18.00			0.62	0.94	1.14	0.48	0.90	24.4	93054
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
11.35	3.45	14.80			1.43	2.03	2.46	1.48	0.67	29.3	93055
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
13.10	2.85	15.95			1.30	1.56	1.89	2.00	0.45	30.1	93056
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
18.05	1.70	19.75			2.25	2.66	3.23	3.00		42.0	93058
18.00	*2.00*	*20.00*				*2.47*	*3.00*	*3.00*		*41.3*	
8.35	1.50	9.85			0.99	1.82	2.21	0.60	4.44	27.8	93059
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*4.00*	*25.4*	
8.60	4.30	12.90			2.17	2.48	3.01		6.09	31.9	93060
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
17.45	1.60	19.05								20.9	93739
16.00										*19.2*	
26.95	0.95	27.90								32.3	93740
24.00										*28.8*	
15.45	1.50	16.95						4.48		28.6	93741
14.00								*4.00*		*25.8*	
12.85	1.50	14.35			1.53	1.93	2.34	1.84	0.60	30.7	93742
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
16.20	1.85	18.05			1.38	1.68	2.04	2.15		34.3	92482
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
13.05	5.55	18.60			1.36	1.65	2.00	2.02		30.8	92483
12.00	*3.00*	*15.00*				*1.65*	*2.00*	*2.00*		*28.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Read Phosphate Co.,	**Nashville, Tenn.—Con.**
93665	†Red Diamond Special	S. A. Browning, Vanceburg
		Guaranteed
92485	Blood and Bone No. 1	Manufacturer
		Guaranteed
93375	Kentucky Tobacco Grower	Hollingsworth-Young Hdw. Co., Bowling Green
93666		S. A. Browning, Vanceburg
		Guaranteed
93376	Corn, Wheat and Oat Grower	E. C. Humble, Russell Springs
93667		J. H. Jasper, W. Somerset
93896		Hollingsworth-Young Hdw. Co., Bowling Green
		Guaranteed
93378	†Farmers Special Manure	Hamblin and Washer, Auburn
		Guaranteed
93668	Standard Tobacco Grower	Barren County Grocery and Hdw. Co., Glasgow
		Guaranteed
92491	H. Gr. Tobacco Grower	Manufacturer
		Guaranteed
92492	Old Ky. Tobacco Special	Manufacturer
		Guaranteed
93671	H. Gr. Potash Mixture	J. H. Jasper, W. Somerset
		Guaranteed
93380	Red Diamond 16% Superphosphate	Hamblin and Washer, Auburn
93672		Guenther Hdw. Co., Owensboro
93673		J. H. Jasper, W. Somerset
93857		Guenther Hdw. Co., Owensboro
93928		Fenley Hdw. Co., Madisonville
		Guaranteed
92496	Red Diamond 18% Superphosphate	Manufacturer
		Guaranteed
93674	Red Diamond 20% Superphosphate	J. H. Jasper, W. Somerset
		Guaranteed
93381	Pure Raw Bone Meal	Hollingsworth-Young Hdw. Co., Bowling Green
93897		Hollingsworth-Young Hdw. Co., Bowling Green
		Guaranteed
92499	Red Diamond Steam Bone Meal	Manufacturer
		Guaranteed
92500	Half and Half	Manufacturer
		Guaranteed
	Smith Agricultural Chem. Co.,	**Columbus, O.**
92518	Smith's Sacco 2-12-2	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
11.30	5.65	16.95			1.86	2.17	2.63	2.75		31.2	93665
10.00	*3.00*	*13.00*				*2.47*	*3.00*	*3.00*		*29.7*	
10.15	8.20	18.35			1.67	1.89	2.29	1.99		28.5	92485
10.00	*3.00*	*13.00*				*1.65*	*2.00*	*2.00*		*25.2*	
10.65	9.30	19.95			1.01	1.23	1.49	1.83		26.8	93375
13.65	6.10	19.75			0.83	1.10	1.34	1.32		28.9	93666
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
10.40	9.85	20.25			0.77	0.97	1.18	0.93		24.5	93376
11.30	9.30	20.60			0.96	0.96	1.17	1.01		25.7	93667
13.10	5.40	18.50			0.48	0.99	1.20	1.78		27.9	93896
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
9.30	5.40	14.70			1.19	1.50	1.82	2.76	1.93	28.3	93378
10.00	*4.00*	*14.00*				*0.82*	*1.00*	*3.00*		*23.5*	
9.10	9.60	18.70			1.64	1.92	2.33	2.45		28.1	93668
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
9.15	7.85	17.00			2.19	2.19	2.66		4.93	31.6	92491
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*4.00*	*26.2*	
8.30	6.65	14.95			3.06	3.06	3.71	0.84	6.80	38.6	92492
8.00	*4.00*	*12.00*				*2.47*	*3.00*		*6.00*	*32.5*	
10.65	9.60	20.25						3.90		20.6	93671
10.00								*4.00*		*19.8*	
18.10	2.50	20.60								22.0	93380
18.25	2.10	20.35								21.9	93672
18.70	2.10	20.80								22.4	93673
17.10	3.40	20.50								20.5	93857
17.30	3.15	20.45								20.8	93928
16.00										*19.2*	
18.40	2.60	21.00								22.1	92496
18.00										*21.6*	
20.80	1.00	21.80								25.0	93674
20.00										*24.0*	
		22.85	41	59		3.85	4.67			38.3	93381
		23.10	45	55		3.68	4.47			37.8	93897
		20.00				*3.71*	*4.50*			*34.8*	
		34.40	74	26		0.63	0.76			36.9	92499
		32.00				*0.82*	*1.00*			*35.3*	
		21.70	53	47		1.94	2.36			29.5	92500
		20.00				*1.85*	*2.25*			*27.4*	
11.95	0.70	12.65			1.23	1.62	1.97	0.80	1.11	27.3	92518
12.00	*0.25*	*12.25*				*1.65*	*2.00*	*2.00*		*27.1*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Smith Agricultural Chem. Co.,	**Columbus, O.—Con.**
92519	Smith's Sacco 2-12-6	Manufacturer
		Guaranteed
92520	Smith's Sacco 2-16-2	Manufacturer
		Guaranteed
92521	Smith's Sacco 2 8 10	Manufacturer
		Guaranteed
92522	Smith's Sacco 10-10	Manufacturer
		Guaranteed
92523	Smith's Sacco 12-12	Manufacturer
		Guaranteed
92524	Emith's Sacco 10-5	Manufacturer
		Guaranteed
92525	Smith's Sacco 12-6	Manufacturer
		Guaranteed
93382	Smith's Sacco 16%	J. C. Everett and Co., Maysville
93677		Stagg Bros. Co., Vanceburg
		Guaranteed
93383	Smith's Sacco 20%	J. C. Everett and Co., Maysville
		Guaranteed
92528	Smith's Sacco 1-8-4	Manufacturer
		Guaranteed
92529	Smith's Sacco 8 24	Manufacturer
		Guaranteed
92530	Smith's Sacco 2 8 16	Manufacturer
		Guaranteed
92531	Smith's Sacco 16% Tankage Filler	Manufacturer
		Guaranteed
92532	Smith's Sacco Bone Meal	Manufacturer
		Guaranteed
92533	Smith's Sacco Plant Food	Manufacturer
		Guaranteed
92534	Smith's Sacco 1 24 4	Manufacturer
		Guaranteed
	Southern Fertilizer Co., Inc.,	**Louisvile, Ky.**
93678	Atlas Phosphate	Conrad Payne and Co., Cloverport
		Guaranteed
93141	Elk Spl. Tobacco Grower	Manufacturer
		Guaranteed
93142	Elk General Crop Grower	Manufacturer
		Guaranteed
93143	Elk Standard Guano	Manufacturer
		Guaranteed
93679	Elk Tobacco Grower..	Conrad, Payne and Co., Cloverport
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
11.95	0.90	12.85			1.23	1.64	1.99	5.16	0.80	32.2	92519
12.00	*0.25*	*12.25*				*1.65*	*2.00*	*6.00*		*31.9*	
16.20	0.60	16.80			1.23	1.61	1.95	0.96	0.94	33.7	92520
16.00	*0.25*	*16.25*				*1.65*	*2.00*	*2.00*		*33.1*	
8.00	0.60	8.60			1.26	1.57	1.91	9.04	0.87	30.7	92521
8.00	*0.25*	*8.25*				*1.65*	*2.00*	*10 00*		*30.7*	
10.60	0.55	11.15						9.35		27.1	92522
10.00								*10.00*		*27.0*	
11.70	0.70	12.40						11.16	1.15	32.7	92523
12.00								*12.00*		*32.4*	
10.05	0.60	10.65						3.56	1.02	20.9	92524
10.00								*5.00*		*21.0*	
12.05	0.85	12.90						5.44	0.59	25.5	92525
12.00								*6.00*		*25.2*	
17.35	0.85	18.20								20.8	93382
16.75	0.45	17.20								20.1	93677
16.00										*19.2*	
21.40	0.80	22.20								25.7	93383
20.00										*24.0*	
7.50	1.00	8.50			0.48	0.78	0.95	3.08	0.86	19.8	92528
8.00	*0.25*	*8.25*				*0.82*	*1.00*	*4.00*		*20.2*	
8.00	0.40	8.40						24.28		41.1	92529
8.00								*24.00*		*40.8*	
7.70	0.65	8.35			1.26	1.55	1.88	17.14		38.6	92530
8.00	*0.25*	*8.25*				*1.65*	*2.00*	*16.00*		*37.9*	
15.75	1.20	16.95								18.9	92531
16.00										*19.2*	
		29.60	85	15		1.68	2.04			36.3	92532
		28.00				*1.85*	*2.25*			*35.4*	
12.20	1.25	13.45			2.77	3.20	3.88	4.27		36.7	92533
12.00	*0.25*	*12.25*				*3.29*	*4.00*	*4.00*		*36.1*	
23.80	1.60	25.40			3.04	3.35	4.07	3.40	0.57	54.7	92534
24.00	*0.25*	*24.25*				*3.29*	*4.00*	*4.00*		*54.1*	
16.95	0.45	17.40								20.3	93678
16.00										*19.2*	
10.70	0.75	11.45			0.71	0.98	1.19		1.68	22.8	93141
10.00	*1.00*	*11.00*				*0.82*	*1.00*		*1.00*	*20.2*	
10.75	0.75	11.50			0.85	0.85	1.03	1.13		21.2	93142
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*1.00*		*19.9*	
8.65	1.00	9.65			2.01	2.01	2.44	2.26		24.1	93143
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
8.50	0.50	9.00			1.95	2.49	3.02		6.05	33.0	93679
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Swift and Company, Fert. Works,	**National Stock Yards, Ill.**
93384	Swift's Red Steer 2-12-6	F. M. Mitchell, Scottsville
		Guaranteed
92555	Swift's Red Steer 4-16-4	Manufacturer
		Guaranteed
92556	Swift's Red Steer 1 12-1	Manufacturer
		Guaranteed
92557	Swift's Red Steer 3-12-4	Manufacturer
		Guaranteed
92558	Swift's Red Steer 3 8-6	Manufacturer
		Guaranteed
93385	Swift's Red Steer 2-12-2	Hurst-Brown Hdw. Co., Bardstown
93680		Byrley Supply Co., Pineville
93681		G. H. Harris, Cloverport
		Guaranteed
93682	Swift's Red Steer 2 16-2	Shouse and Kercheval, Salt Lick
		Guaranteed
93386	Swift's Red Steer 3 8-6 Tobacco Grower	J. F. Collings, Shepherdsville
93387		Hurst-Brown Hdw. Co., Bardstown
93388		F. M. Mitchell, Scottsville
93683		Millersburg Coal and Lumber Co., Millersburg
		Guaranteed
92562	Swift's Red Steer 4-12	Manufacturer
		Guaranteed
92563	Swift's Red Steer 2-12	Manufacturer
		Guaranteed
92564	Swift's Red Steer 12-4	Manufacturer
		Guaranteed
92565	Swift's Red Steer 14-4	Manufacturer
		Guaranteed
93684	Swift's Red Steer 20% Superphosphate (A. P.)	John B. Marriott, Cecilia
		Guaranteed
92567	Swift's Red Steer 18% Superphosphate (A. P.)	Manufacturer
		Guaranteed
93685	Swift's Red Steer 16% Superphosphate (A. P.)	John B. Marriott, Cecilia
93686		J. W. Collier, Crab Orchard
		Guaranteed
93687	Swift's 1¼-29 Bone Meal Fertilizer	Yopp Seed Co., Paducah
		Guaranteed
92570	Swift's 2¼-29 Bone Meal Fertilizer	Manufacturer
		Guaranteed
92571	Swift's 3-23 Bone Meal Fertilizer	Manufacturer
		Guaranteed
92572	Swift's 2-27 Bone Meal Fertilizer	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.40	0.20	12.60			2.36	2.60	3.16	5.68		35.9	93384
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*6.00*		*32.0*	
15.80	0.80	16.60			3.07	3.41	4.14	4.48		43.0	92555
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
13.15	0.65	13.80			0.51	0.84	1.02	1.00		24.6	92556
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
12.40	0.50	12.90			1.89	2.46	2.99	3.98		33.4	92557
12.00	*0.50*	*12.50*				*2.47*	*3.00*	*4.00*		*32.9*	
8.30	0.40	8.70			1.96	2.51	3.05	5.97		29.8	92558
8.00	*0.50*	*8.50*				*2.47*	*3.00*	*6.00*		*29.3*	
12.75	0.60	13.35			1.29	1.83	2.22	2.30		29.5	93385
12.85	0.70	13.55			1.26	1.81	2.20	2.18		29.4	93680
12.30	0.60	12.90			1.20	1.70	2.06	2.16		28.1	93681
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
16.95	0.75	17.70			1.69	1.69	2.05	2.18		35.1	93682
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*2.00*		*33.2*	
9.05	0.45	9.50			1.85	2.44	2.96	0.68	5.17	32.1	93386
9.70	0.30	10.00			1.88	2.39	2.90	1.16	4.29	32.1	93387
9.70	0.20	9.90			1.79	2.31	2.80	1.88	4.21	32.5	93388
9.15	0.25	9.40			1.75	2.29	2.78	1.32	4.66	31.6	93683
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
12.80	0.30	13.10			3.25	3.25	3.95			32.3	92562
12.00	*0.50*	*12.50*				*3.29*	*4.00*			*31.4*	
13.00	0.10	13.10			1.71	1.71	2.08			26.4	92563
12.00	*0.50*	*12.50*				*1.65*	*2.00*			*24.8*	
12.30	0.40	12.70						4.02		23.3	92564
12.00								*4.00*		*22.8*	
14.30	0.60	14.90						4.02		26.3	92565
14.00								*4.00*		*25.8*	
21.60	0.70	22.30								25.9	93684
20.00										*24.0*	
18.70	0.40	19.10								22.4	92567
18.00										*21.6*	
17.75	0.30	18.05								21.3	93685
17.10	0.80	17.90								20.5	93686
16.00										*19.2*	
		31.25	80	20		1.44	1.75			37.0	93687
		29.00				*1.03*	*1.25*			*33.1*	
		28.45	57	43		2.31	2.80			37.7	92570
		29.00				*1.85*	*2.25*			*36.4*	
		26.10	61	39		2.89	3.51			37.7	92571
		23.00				*2.47*	*3.00*			*32.9*	
		27.30	87	13		1.71	2.08			34.1	92572
		27.00				*1.65*	*2.00*			*33.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Swift and Company Fert. Works,	**National Stock Yards, Ill.—Con.**
92573	Swift's Raw Bone Meal Fertilizer	Manufacturer
		Guaranteed
92574	Vigoro	Manufacturer
		Guaranteed
	Synthetic Nitrogen Products Corp.,	**New York City., N. Y.**
92781	Urea B. A. S. F. (Floranid)	Manufacturer
		Guaranteed
92782	Calcium Nitrate B. A. S. F. (Nitrate of Lime)	Manufacturer
		Guaranteed
92783	Leunasalpeter	Manufacturer
		Guaranteed
92784	Nitrophoska	Manufacturer
		Guaranteed
	Tennessee Chemical Co. (Armour owned)	**Cincinnati, Nashville, Jeffersonville.**
92695	Ox 3-18-3 Fertilizer	Manufacturer
		Guaranteed
93689	Ox 4-16-4 Fertilizer	Sam Van Bever, Pineville
		Guaranteed
93690	Ox 4-16-4 Guano	Young Hardware Co., Hopkinsville
		Guaranteed
93898	Ox 2-16-8 Fertilizer	Scottsville Feed Co., Scottsville
93929		R. E. Moore, Madisonville
		Guaranteed
92699	Ox 2-16-8 Guano	Manufacturer
		Guaranteed
92700	Ox 0-16-8 Fertilizer	Manufacturer
		Guaranteed
93860	Ox 0-16-8 Guano	Young Hardware Co., Hopkinsville
93861		Morganfield Hdw. and Grocery Co., Morganfield
		Guaranteed
93389	Ox 4-12-8 Guano	W. C. Grainger, Franklin
93692		S. B. Jones, Pembroke
		Guaranteed
92703	Ox 2-12-2 Guano	Manufacturer
		Guaranteed
92704	Ox 2-12-2 Fertilizer	Manufacturer
		Guaranteed
93390	Ox 0-12-4 Guano	W. C. Grainger, Franklin
93899		W. C. Grainger, Franklin
		Guaranteed
92707	Ox High Analysis Tobacco Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		23.80	80	20		4.28	5.20			40.9	92573
		23.00				*3.71*	*4.50*			*37.8*	
12.55	0.50	13.05			2.92	3.24	3.93	4.13		37.0	92574
12.00	*0.50*	*12.50*				*3.29*	*4.00*	*4.00*		*36.2*	
						45.65	55.40			182.6	92781
						46.00	*55.86*			*184.0*	
						14.40	17.48			57.6	92782
						15.00	*18.21*			*60.0*	
						26.04	31.62			104.2	92783
						26.00	*31.57*			*104.0*	
30.05	0.20	30.25			15.36	15.36	18.64	14.82		124.4	92784
30.00						*15.00*	*18.21*	*15.00*		*123.0*	
20.05	1.50	21.55			3.78	3.78	4.59	4.19		50.8	92695
18.00	*0.50*	*18.50*				*2.47*	*3.00*	*3.00*		*40.7*	
17.35	0.95	18.30			3.40	3.40	4.13	4.44		45.3	93689
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
17.25	2.45	19.70			3.17	3.17	3.85	4.52		45.0	93690
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
16.85	1.30	18.15			1.54	1.54	1.87	7.30		40.7	93898
16.40	1.10	17.50			1.60	1.60	1.94	8.32		41.4	93929
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*8.00*		*40.4*	
16.95	0.80	17.75			1.77	1.77	2.15	8.63		43.2	92699
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*8.00*		*40.4*	
16.95	0.90	17.85						6.64	1.76	36.4	92700
16.00								*8.00*		*33.6*	
16.85	1.05	17.90						8.48		35.5	93860
17.00	0.90	17.90						8.09		35.2	93861
16.00								*8.00*		*33.6*	
13.95	1.55	15.50			3.14	3.14	3.81	7.67		43.3	93389
13.00	2.50	15.50			3.24	3.24	3.93	8.09		43.2	93692
12.00	*0.50*	*12.50*				*3.29*	*4.00*	*8.00*		*43.4*	
12.15	0.85	13.00			1.79	1.79	2.17	2.28		28.5	92703
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
12.15	0.85	13.00			1.79	1.79	2.17	2.28		28.5	92704
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
13.00	6.10	19.10						4.02		24.3	93390
14.20	3.80	18.00						3.53		25.5	93899
12.00								*4.00*		*22.8*	
12.05	1.25	13.30			2.66	3.50	4.25	1.24	8.30	46.5	92707
12.00	*0.50*	*12.50*				*3.29*	*4.00*		*8.00*	*43.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Tennessee Chemical Co., (Armour owned)	**Cincinnati, Nashville, Jeffersonville —Con.**
93694	Ox Burley Tobacco Grower	H. D. Jones, Glasgow
		Guaranteed
92709	Ox Tobacco Grower	Manufacturer
		Guaranteed
93695	Ox Farmer's Pride	S. B. Jones, Pembroke
93696		Young Hardware Co., Hopkinsville
		Guaranteed
93391	Ox Old Black Joe	W. C. Grainger, Franklin
93697		Young Hardware Co., Hopkinsville
		Guaranteed
93698	Ox Superphosphate 20%	H. D. Jones, Glasgow
		Guaranteed
93392	Ox 16% Acid Phosphate	W. C. Grainger, Franklin
93699		Sam Van Bever, Pineville
93862		Young Hardware Co., Hopkinsville
93863		Morganfield Hdw. and Gro. Co., Morganfield
		Guaranteed
92714	Ox 1-12-1 Guano	Manufacturer
		Guaranteed
92715	Ox 1-12-1 Fertilizer	Manufacturer
		Guaranteed
92716	Ox 2-8-2 Guano	Manufacturer
		Guaranteed
93701	Ox 2-8-2 Fertilizer	Sam Van Bever, Pineville
		Guaranteed
93393	Ox Bone Meal	W. F. Grainger, Franklin
93702		V. B. Nuckols, Elkton
		Guaranteed
93703	Ox Raw Bone	V. B. Nuckols, Elkton
		Guaranteed
92720	Ox 2-12-6 Fertilizer	Manufacturer
		Guaranteed
92721	Ox Plant Bed Special	Manufacturer
		Guaranteed
93700	Ox 16% Superphosphate	H. D. Jones, Glasgow
		Guaranteed
93746	Ox 32% Superphosphate	Manufacturer
		Guaranteed
93762	Ox 24% Superphosphate	Manufacturer
		Guaranteed
93704	Ox Potato Grower	Sam Van Bever, Pineville
		Guaranteed
93900	Ox 0-10-4 Fertilizer	Vick Smith, Bowling Green
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
10.95	1.00	11.95			1.92	2.38	2.89	2.84	3.25	34.6	93694
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
7.80	6.80	14.60			1.23	1.81	2.20		5.92	30.5	92709
8.00	*0.50*	*8.50*				*1.65*	*2.00*		*4.00*	*24.8*	
10.40	8.50	18.90			1.74	2.35	2.85	3.10		32.1	93695
11.30	7.20	18.50			2.11	2.48	3.01	3.21		33.6	93696
10.00	*0.50*	*10.50*				*2.47*	*3.00*	*3.00*		*28.7*	
8.00	10.90	18.90			1.24	1.67	2.03	4.44		28.4	93391
8.80	10.70	19.50			1.32	1.66	2.02	3.76		28.6	93697
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*4.00*		*23.6*	
21.10	0.40	21.50								25.3	93698
20.00										*24.0*	
17.75	2.40	20.15								21.3	93392
17.40	0.85	18.25								20.9	93699
16.85	3.65	20.50								20.2	93862
17.10	3.60	20.70								20.5	93863
16.00										*19.2*	
12.90	4.30	17.20			0.81	1.02	1.24	1.22		26.6	92714
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
12.90	4.30	17.20			0.81	1.02	1.24	1.22		26.6	92715
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
8.70	0.90	9.60			1.46	1.78	2.16	1.20	1.09	23.6	92716
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
8.30	0.80	9.10			1.62	1.62	1.97	2.24		21.9	93701
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*2.00*		*21.2*	
		27.00	84	16		2.67	3.24			37.7	93393
		27.85	90	10		2.84	3.45			39.2	93702
		27.00				*2.47*	*3.00*			*36.9*	
		23.55	100			3.71	4.50			38.4	93703
		22.00				*3.71*	*4.50*			*36.8*	
13.60	0.90	14.50			2.39	2.39	2.90	6.53		38.2	92720
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*6.00*		*32.0*	
8.40	0.95	9.35			2.64	3.32	4.03		3.91	32.1	92721
8.00	*0.50*	*8.50*				*3.29*	*4.00*		*3.00*	*29.9*	
17.55	1.05	18.60								21.1	93700
16.00										*19.2*	
38.45	1.05	39.50								46.1	93746
32.00										*38.4*	
27.95	1.10	29.05								33.5	93762
24.00										*28.8*	
8.55	1.00	9.55			1.78	2.35	2.85	0.76	5.21	31.4	93704
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
10.30	4.20	14.50						3.80		20.0	93900
10.00								*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Tennessee Coal, Iron and R. R. Co.,	**Birmingham, Ala.**
93394	†16% Duplex Basic Phosphate	Taylor County Sup. Co., Campbellsville
93395		Hatter Hardware Co., Franklin
93396		Farm Bureau Sup. Co., Elizabethtown
		Guaranteed
	Tennessee Copper and Chemical	**Corp., Lockland, O.**
92787	Loma	Manufacturer
		Guaranteed
	Virginia-Carolina Chemical Corp.,	**Richmond, Va., Cincinnati, O., Nashville, Tenn.**
92788	"Bloomaid"	Manufacturer
		Guaranteed
93011	V.-C. Potato Grower 4-8-8	Manufacturer
		Guaranteed
93397	V.-C. Phospho Tobacco 16%	Hatter Hardware Co., Franklin
93707		B. D. Jordan and Son, Flemingsburg
		Guaranteed
93013	V.-C. Potash Phospho Tobacco 10-10	Manufacturer
		Guaranteed
93708	V.-C. Potash Phospho Tobacco 14-4	Farmers' Union Supply Co., Glasgow
		Guaranteed
93398	V.-C. Ammoniated Phospho Tobacco 2-12-2	Hatter Hardware Co., Franklin
		Guaranteed
93399	V.-C. Ammoniated Phospho Tobacco 2-12-6	Hatter Hardware Co., Franklin
		Guaranteed
93400	V.-C. Acid Phosphate	Citizens' Hdw. and Impl. Co., Bowling Green
93401		Taylor County Sup. Co., Campbellsville
93709		Farmers' Union Supply Co., Glasgow
93710		H. A. Spradlin, Monticello
93866		Estes and Hines, Science Hill
93867		E. T. Ford, Cave City
93868		Taylor County Sup. Co., Campbellsville
93902		Farmers' Union Supply Co., Glasgow
		Guaranteed
93018	V.-C. Superphosphate 20%	Manufacturer
		Guaranteed
93711	V.-C. Superphosphate 24%	A. M. McConnell, Marion
		Guaranteed
93020	V.-C. Capitol Phosphate and Potash 10-4	Manufacturer
		Guaranteed
93021	V. C. Plow Brand 10 10	Manufacturer
		Guaranteed
93022	V. C. Prolific Crop Grower 14 4	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		16.70								20.0	93394
		16.65								20.0	93395
		16.65								20.0	93396
		16.00								*19.2*	
10.65	0.75	11.40			4.38	4.77	5.79	4.15		40.3	92787
10.00	*0.65*	*10.65*				*4.94*	*6.00*	*4.00*		*39.8*	
11.20	0.85	12.05			4.18	5.39	6.54	2.96	2.01	45.3	92788
10.00						*4.94*	*6.00*		*4.00*	*40.8*	
9.25	4.20	13.45			3.39	3.39	4.12	8.27		39.0	93011
8.00	*2.00*	*10.00*				*3.29*	*4.00*	*8.00*		*35.6*	
16.05	4.15	20.20								19.3	93397
17.35	0.95	18.30								20.8	93707
16.00										*19.2*	
10.70	1.60	12.30						10.65		28.8	93013
10.00								*10.00*		*27.0*	
15.20	2.90	18.10						3.80		27.4	93708
14.00								*4.00*		*25.8*	
13.45	2.90	16.35			1.52	1.84	2.23	2.46		31.7	93398
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
13.60	2.40	16.00			1.55	1.86	2.26	6.21		36.3	93399
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
16.65	4.15	20.80								20.0	93400
17.35	3.75	21.10								20.8	93401
18.75	2.00	20.75								22.5	93709
17.75	3.70	21.45								31.3	93710
16.40	4.10	20.50								19.7	93866
17.10	4.60	21.70								20.5	93867
16.30	3.60	19.90								19.6	93868
16.35	4.35	20.70								19.6	93902
16.00										*19.2*	
21.25	2.45	23.70								25.5	93018
20.00										*24.0*	
26.90	1.25	28.15								32.3	92711
24.00										*28.8*	
13.45	6.70	20.15						4.42		25.5	93020
10.00								*4.00*		*19.8*	
10.65	4.25	14.90						10.42		28.5	93021
10.00								*10.00*		*27.0*	
14.80	1.85	16.55						4.17		27.2	93022
14.00								*4.00*		*25.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chemical Corp.,	**Richmond, Cincinnati, Nashville, Tenn.**
93024	V.-C. Tobacco Plant Food 3-11.....	Manufacturer
		Guaranteed
93402	V.-C. Champion Corn and Wheat 1-10-1	Citizens' Hdw. and Impl. Co., Bowling Green
93712		The Bagby Lumber Co., Grayson.....
93713		H. A. Spradlin, Monticello.....
		Guaranteed
93714	V.-C. Beef, Blood & Bone B. B. B. 2-8-2	McKinzie and Herren, Eubank.....
93715		B. D. Jordan and Son, Flemingsburg.....
93870		M. G. Parman, London.....
93903		Hatter Hardware Co., Franklin.....
		Guaranteed
93716	V.-C. Owl Brand 2 12-2	H. A. Spradlin, Monticello.....
93717		Clem Kendell, Florence.....
		Guaranteed
93028	V.-C. Indian Brand 2-16-2	Manufacturer
		Guaranteed
93718	V.-C. Big Potato and Truck 3-12-4	Pineville Wholesale Gro. Co., Pineville
		Guaranteed
93030	V. C. Star Brand 3 18 3	Manufacturer
		Guaranteed
93031	V.-C. Tomato and Truck 2-12-6.....	Manufacturer
		Guaranteed
93403	V.-C. Super 24 Fertilizer 4-16-4....	Taylor County Supply Co., Campbellsville
		Guaranteed
93033	V. C. Good Luck 4-24-4	Manufacturer
		Guaranteed
93719	V. C. Truck Special 3-8-6	Moore Hardware Co., Louisa.....
		Guaranteed
93404	V.-C. Tobacco Special 2-8-4 (Potash from Sulphate)	Taylor County Sup. Co., Campbellsville
93720		Farmers' Union, Georgetown.....
		Guaranteed
93721	V.-C. Tobacco and Truck 3-8-6 (Potash from Sulphate)	Woodford Spears and Sons, Paris.....
93405		Taylor County Sup. Co., Campbellsville
93406		Hatter Hardware Co., Franklin.....
		Guaranteed
92037	V.-C. Pure Bone Meal (steamed) 1-27½	Manufacturer
		Guaranteed
93722	Mt. Pleasant Superphosphate 16%	J. W. Spurrier and Sons, Whitesville.....
		Guaranteed
93040	Mt. Pleasant Superphosphate 20%	Manufacturer
		Guaranteed
93041	Mt. Pleasant Phosphate and Potash	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.30	5.60	17.90			2.75	3.02	3.67			32.8	93024
11.00	*2.00*	*13.00*				*2.47*	*3.00*			*27.2*	
11.10	9.80	20.90			0.67	0.98	1.19	1.19		25.9	93402
10.90	8.10	19.00			0.74	0.98	1.19	0.44	0.84	25.3	93712
10.70	8.05	18.75			0.85	1.07	1.30		1.30	25.5	93713
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
7.75	10.55	18.30				1.63	1.98	1.81		24.5	93714
9.85	8.35	18.20			1.06	1.55	1.88	2.48	0.61	28.2	93715
7.40	11.10	18.50			1.24	1.59	1.93	2.54		25.0	93870
8.85	10.35	19.20			1.27	1.69	2.05	2.09		26.7	93903
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
14.00	2.10	16.10			1.31	1.58	1.92	2.44		31.1	93716
13.30	2.40	15.70			1.34	1.60	1.94	2.25		30.0	93717
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
17.85	1.55	19.40			1.34	1.67	2.03	2.18		36.7	93028
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
13.85	0.75	14.60			2.33	2.56	3.11	4.27		36.4	93718
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
18.05	1.70	19.75			2.25	2.66	3.23	3.00		42.0	93030
18.00	*2.00*	*20.00*				*2.47*	*3.00*	*3.00*		*41.3*	
12.65	1.35	14.00			1.37	1.63	1.98	5.80		33.0	93031
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
16.60	1.45	18.05			2.92	3.15	3.82	4.53		44.0	93403
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	
24.00	0.95	24.95			3.01	3.29	3.99	4.31		54.7	93033
24.00	*4.00*	*28.00*				*3.29*	*4.00*	*4.00*		*55.6*	
10.30	5.00	15.30			2.25	2.49	3.02	5.95		34.6	93719
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
8.75	8.55	17.30			1.52	1.81	2.20	0.64	3.52	29.8	93404
9.75	6.65	16.40			1.72	1.98	2.40	0.92	3.29	31.3	93720
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*4.00*	*25.4*	
10.50	3.05	13.55			1.93	2.61	3.17	6.62		35.4	93721
8.05	7.55	15.60			2.04	2.42	2.94	0.48	5.79	34.0	93405
8.40	7.75	16.15			2.12	2.65	3.22		6.27	35.7	93406
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
		33.20	79	21		0.73	0.89			36.1	92037
		27.50				*0.82*	*1.00*			*30.8*	
17.90	3.65	21.55								21.5	93722
16.00										*19.2*	
21.25	2.45	23.70								25.5	93040
20.00										*24.0*	
13.45	6.70	20.15						4.42		25.5	93041
10.00								*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virgnia-Carolina Chemical Corp.,	**Richmond, Cincinnati, Nashville—Con.**
93043	Mt. Pleasant Corn and Tobacco Grower	Manufacturer Guaranteed
93723	Black Patch Tobacco Grower	J. W. Spurrier and Sons, Whitesville Guaranteed
93045	Mt. Pleasant Springfall Fertilizer	Manufacturer Guaranteed
93047	Mt. Pleasant Truck Grower	Manufacturer Guaranteed
93039	Mt. Pleasant Superphosphate 18%	Manufacturer Guaranteed
93042	Black Patch Universal	Manufacturer Guaranteed
93738	V.-C. Phospho Tobacco 24%	Manufacturer Guaranteed
	Wessel, Duvall & Co.,	**New York, N. Y.**
93410	Nitrate of Soda	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
11.35	3.45	14.80			1.43	2.03	2.46	1.48	0.67	29.3	93043
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.05	9.70	18.75			1.19	1.44	1.75	3.47		27.4	93723
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*4.00*		*24.2*	
13.10	2.85	15.95			1.30	1.56	1.89	2.00	0.45	30.1	93045
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
16.60	1.65	18.25			2.96	3.18	3.86	4.19		43.3	93047
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	
18.60	3.50	22.10								22.3	93039
18.00										*21.6*	
12.45	6.00	18.45			1.10	1.70	2.06			27.9	93042
12.00	*2.00*	*14.00*				*1.65*	*2.00*			*25.4*	
24.40	3.00	27.40								29.3	93738
24.00										*28.8*	
						15.28	18.54			61.1	93410
						14.87	*18.05*			*59.5*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Alabama Chemical Co. (of Ala.),	**Montgomery, Ala.**
92793	Red Cross Tobacco Fertilizer	Manufacturer
		Guaranteed
	American Agr. Chemical Co., Inc.,	**Cincinnati, O.**
92578	A. A. Corn and Cotton Grower	Manufacturer
		Guaranteed
92857	A. A. Raw Bone	Manufacturer
		Guaranteed
93775	†Agrico Fertilizer for Grain	A. W. Tarter, Columbia
		Guaranteed
93438	†Michigan Carbon Paramount Fertilizer	R. Z. Hook, Hardinsburg
		Guaranteed
93187	†Michigan Carbon High Potash Tobacco Grower	Clem Keltner, Campbellsville
		Guaranteed
	Armour Fertilizer Works,	**Cincinnati, Nashville, Jeffersonville**
93206	†Big Crop 4-16-4 Fertilizer	Pulley and Foley, Central City
		Guaranteed
93454	†Big Crop High Analysis Burley Tobacco Grower	J. T. Lawson, Greenup
		Guaranteed
93458	†Big Crop Plant Bed Special	Humlong and Wheat, Germantown
		Guaranteed
93471	Big Crop 4-10-4 Fertilizer	Atherton, Kidd Co., Livermore
		Guaranteed
93474	†Big Crop Big Tobacco Maker	R. D. Bradley, Mayfield
		Guaranteed
93798	†Big Crop Old Black Joe	J. Stotz, Greenville
		Guaranteed
93754	Big Crop 3-24 Bone Meal	Manufacturer
		Guaranteed
	Buhner Fertilizer Co.,	**Seymour, Ind.**
93220	†Buhner's Special Tobacco Grower	Van Cleve and Moore, Cave City
		Guaranteed
93482	†Buhner's High Grade Tobacco Grower (Muriate)	Patrick Dillon, Hardinsburg
		Guaranteed
93225	Buhner's Plant Bed Special	L. H. Lee, R. 1, Elizabethtown
		Guaranteed
92544	Buhner's Grain and Grass Grower	Manufacturer
		Guaranteed
93231	†Buhner's Special Crop Grower ½ Bone	S. S. Skaggs, Magnolia
		Guaranteed
92549	Buhner's Crop Grower ½ Bone	Manufacturer
		Guaranteed
92550	Buhner's Raw Bone	Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.15	1.40	9.55			2.31	2.31	2.80	3.56	2.44	**30.0**	92793
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
10.85	1.25	12.10			1.42	1.63	1.98	2.13		**25.9**	92578
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
		18.05	80	20		3.76	4.56			33.1	92587
		20.00				*3.29*	*4.00*			*33.2*	
11.15	2.10	13.25			1.72	1.72	2.09	3.59		28.8	93775
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*4.00*		*29.6*	
9.30	1.40	10.70			1.90	2.33	2.83	**0.88**	**4.42**	31.5	93438
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
8.65	1.40	10.05			1.38	1.60	1.94	**9.15**		30.9	93187
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*10.00*		*31.4*	
16.70	2.40	19.10			2.87	**2.87**	3.48	4.66		43.1	93206
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
13.45	0.70	14.15			2.23	**2.86**	3.47	**1.44**	**5.64**	**42.1**	93454
12.00	*0.50*	*12.50*				*3.29*	*4.00*		*8.00*	*43.4*	
9.35	0.75	10.10			2.03	**2.73**	3.31	1.08	1.85	29.3	93458
8.00	*0.50*	*8.50*				*3.29*	*4.00*		*3.00*	*29.9*	
11.00	3.55	14.55			2.45	**2.45**	2.97	**3.01**		**31.3**	93471
10.00	*0.50*	*10.50*				*3.29*	*4.00*	*4.00*		*33.2*	
8.75	3.15	11.90			1.50	**2.00**	2.43	0.88	5.20	31.3	93474
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
11.00	5.90	16.90			0.78	**1.15**	1.40	**3.57**		27.7	93798
8.00	*0.50*	*8.50*				*1.65*	*2.00*	*4.00*		*23.6*	
		21.90	100			3.57	4.33			36.2	93754
		24.00				*2.47*	*3.00*			*33.9*	
16.80	0.50	17.30			2.91	**2.91**	3.53	4.35		42.3	93220
16.00						*3.29*	*4.00*	*4.00*		*42.0*	
10.50	2.25	12.75			1.25	**1.96**	2.38	**5.30**		30.8	93482
8.00						*2.47*	*3.00*	*6.00*		*29.1*	
8.65	1.70	10.35			2.98	3.73	4.53			28.6	93225
10.00						*3.29*	*4.00*			*28.2*	
11.35	2.05	13.40			0.54	0.92	1.12	**2.44**		24.5	92544
11.00						*0.82*	*1.00*	*3.00*		*23.4*	
9.20	2.00	11.20			1.72	1.72	2.09	**4.66**		27.1	93231
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*6.00*		*27.4*	
7.50	**1.85**	**9.35**			1.20	1.61	1.95	1.78		**20.6**	92549
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
		26.30	55	45		**3.07**	3.73			38.6	92550
		21.00				*3.91*	*4.75*			*36.6*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Calumet Fertilizer Corporation,	**New Albany, Ind.**
93070	Calumet Br. Onion and Tobacco Grower	Manufacturer Guaranteed
	Consolidated Chemical Co.,	**Louisville, Ky.**
92667	Camel Br. Raw Bone	Manufacturer Guaranteed
92669	Camel Br. Steamed Bone Meal 3-24	Manufacturer Guaranteed
	Evansville Fertilizer Co.,	**Evansville, Ind.**
93510	Superb Tobacco Special	McLean County Hardware Co., Calhoun Guaranteed
93130	Superb Dark Patch Special	Manufacturer Guaranteed
93131	Superb Farmers Choice	Manufacturer Guaranteed
93132	Superb Best Bet	Manufacturer Guaranteed
93138	Superb Raw Bone	Manufacturer Guaranteed
	Federal Chemical Co., Inc.,	**Louisville, Ky.**
93514	†Ammoniated Potash Ten	Forbes Mfg. Co., Hopkinsville Guaranteed
93807	†Standard Corn and Wheat Grower	H. C. Clay, Waynesburg Guaranteed
93251	†Special Tobacco Maker	L. A. Collins, Lebanon Guaranteed
93518	†Loam Land Fertilizer	Moore Feed and Seed Co., Ashland
93519		Ballard Mercantile Co., Wickliffe
93520		Lonnie Jackson, Caneyville Guaranteed
93525	†2-8-5 Tobacco Fertilizer	A. Bresler, Son and Co., Owensboro
93910		Dairyman's Feed and Supply Co., Mayfield Guaranteed
93253	†Ky. Tobacco and Potato Grower	L. A. Collins, Lebanon
93255		Burton and Piles, Columbia
93256		Clem Keltner, Campbellsville
93875		H. C. Clay, Waynesburg Guaranteed
93527	3-8-10 Spl. Mixture Tobacco Grower	W. D. McKeel, Murray Guaranteed
93528	†Spl. Mixture H. Gr. Tobacco Grower	P. T. Jones and Son, Fulton Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.40	1.25	9.65			0.65	0.87	1.07	**2.15**		19.2	93070
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*3.00*		*19.3*	
		19.50	80	20		3.97	4.82			**35.4**	92667
		22.00				*3.71*	*4.50*			*36.8*	
		30.90	88	12		**1.43**	1.74			36.6	92669
		24.00				*2.47*	*3.00*			*33.9*	
11.80	3.45	15.25			2.22	**2.81**	3.41	4.54		35.8	93510
10.00						*3.29*	*4.00*	*4.00*		*33.0*	
10.55	0.70	11.25			1.00	**1.00**	1.21	3.47		24.3	93130
10.00						*2.47*	*3.00*	*3.00*		*28.5*	
14.75	2.65	17.40			0.34	**0.90**	1.09	3.37		30.8	93131
12.00						*1.65*	*2.00*	*2.00*		*27.0*	
9.90	0.70	10.60			0.34	**0.81**	0.98	5.00		24.4	93132
8.00						*1.65*	*2.00*	*5.00*		*24.6*	
		14.95	73	27		3.92	4.76			**30.6**	93138
		20.00				*3.29*	*4.00*			*33.2*	
8.70	3.30	12.00			0.56	0.98	1.19	**9.20**		29.3	93514
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*10.00*		*28.1*	
11.45	1.20	12.65			1.20	1.73	2.10	**1.54**		26.4	93807
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.05	1.95	11.00			1.23	1.93	2.34	1.88		24.3	93251
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
10.80	2.40	13.20			1.36	2.10	2.55	2.62		28.7	93518
9.65	2.85	12.50			0.80	1.70	2.06	9.20		33.5	93519
10.50	3.50	14.00			0.94	1.50	1.82	4.54		28.6	93520
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
9.15	3.35	12.50			1.04	1.72	2.09	**3.28**		25.9	93525
10.30	2.50	12.80			1.03	1.67	2.03	**4.00**		27.9	93910
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
9.30	1.60	10.90			1.64	2.40	2.91	**4.79**		29.5	93253
8.80	2.80	11.60			1.75	2.30	2.79	**5.16**		29.7	93255
8.65	1.30	9.95			1.68	2.45	2.97	**4.93**		29.2	93256
9.10	1.60	10.70			1.62	2.26	2.74	**5.28**		29.7	93875
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
8.50	2.50	11.00			1.39	**2.07**	2.51	10.57		34.7	93527
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*10.00*		*34.7*	
8.85	3.10	11.95			2.07	**2.67**	3.24	4.21		30.3	93528
8.00	*2.00*	*10.00*				*3.29*	*4.00*	*4.00*		*30.8*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.,	**Louisville, Ky.—Con.**
93259	†Spl. Tobacco and Potato Grower..	Goodman Bros. Co., Shelbyville
93530		Burg. Kinner, Greenup
		Guaranteed
93531	H. Gr. Tobacco Grower	B. D. Jordan and Son, Flemingsburg
		Guaranteed
93532	†A-1 Extra Tobacco Special	Thompson Fertilizer Co., Mt. Sterling
		Guaranteed
93534	Potash Mixture	J. M. Johnson, Benton
		Guaranteed
93536	†Spl. Mixture Tip Top Potato Grower	Gatlin-Ferguson Co., Benton
		Guaranteed
93538	Tip Top Potato Grower	R. F. Collier, Paris
		Guaranteed
93269	†Spl. Mixture Tobacco and Vegetable Grower	A. W. Tarter, Columbia
		Guaranteed
93424	Spl. Mixture Official Tobacco Formula	Blue Grass Elmendorf Grain Corp., Lexington
		Guaranteed
93542	Daybreak Tobacco Grower	G. H. Bowles and Co., Glasgow
		Guaranteed
93543	Daybreak Raw Bone	Lexington Seed Co., Lexington
		Guaranteed
	Fox Chemical Co., Br. Federal	**Chemical Co., Inc., Louisville, Ky.**
93277	†Fox Formula	Clem Keltner, Campbellsville
		Guaranteed
93553	†Fox Crop and Tobacco Grower	A. B. Beale and Son, Murray
		Guaranteed
93555	†Fox Wheat and Corn Manure	W. A. Sparks, London
		Guaranteed
	Globe Fertilizer Co., Br. Federal	**Chemical Co., Inc., Louisville, Ky.**
93280	†Progress Corn, Wheat and Tobacco Grower	W. H. Lyon, Loretto
		Guaranteed
93881	†Universal Crop and Tobacco Grower	Big Four Co., Franklin
		Guaranteed
93284	†Big Four Tobacco Grower	W. S. Watts, Muldraugh
		Guaranteed
93285	†Ky. Standard Tobacco Grower	W. H. Lyon, Loretto
93563		Simpson and Morgan, Owenton
		Guaranteed
	Hall Seed Co., Louisville.	
93940	Halco High Grade Vegetable Grower	Manufacturers' Warehouse
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.95	0.95	9.90			1.81	2.56	3.11	**0.68**	**3.73**	**30.5**	93259
7.25	1.45	8.70			1.67	2.47	3.00	0.88	5.12	**30.1**	93530
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
6.05	1.40	7.45			4.52	5.33	6.47	4.36	0.33	36.7	93531
8.00	*2.00*	*10.00*				*3.29*	*4.00*		*4.00*	*32.0*	
12.85	1.05	13.90			1.09	**1.49**	1.81			**25.7**	93532
10.00						*3.29*	*4.00*			*28.2*	
11.60	3.30	14.90						**3.36**		21.4	93534
10.00								*4.00*		*19.8*	
8.70	3.50	12.20			2.01	**2.82**	3.42	5.04		**31.8**	93536
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
8.25	1.05	9.30			4.78	5.45	6.62	0.88	3.91	41.5	93538
10.00	*2.00*	*12.00*				*3.29*	*4.00*		*4.00*	*35.0*	
9.40	3.45	12.85			1.24	1.79	2.17	**1.20**	**3.24**	28.9	93269
8.00	*2.00*	*10.00*				*1.23*	*1.50*	*6.00*		*24.9*	
5.80	0.95	6.75			4.87	**5.37**	6.52	4.97		**36.5**	93424
6.00	*2.00*	*8.00*				*5.77*	*7.00*	*4.50*		*38.3*	
10.90	3.75	14.65			0.62	**1.14**	1.38	3.99		27.2	93542
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
		16.00	75	25		3.84	4.66			**31.4**	93543
		20.00				*3.29*	*4.00*			*33.2*	
9.65	1.60	11.25			0.75	1.27	1.54	5.82		27.2	93277
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
10.40	2.35	12.75			0.63	1.18	1.43	**2.75**		24.6	93553
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
7.35	1.00	8.35			1.08	1.65	2.00	1.95		**20.4**	93555
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.00	1.45	10.45			0.57	0.97	1.18	2.58		21.1	93280
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
10.00	2.70	12.70			0.47	0.89	1.08	**3.43**		23.8	93881
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
6.95	1.65	8.60			1.00	1.56	1.89	**1.59**		**19.2**	93284
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
8.95	1.50	10.45			0.94	1.57	1.91	**1.52**	**2.96**	26.6	93285
8.40	1.50	9.90			1.00	1.59	1.93	**0.80**	**3.76**	26.2	93563
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
8.90	0.50	9.40			1.69	2.29	2.78	**0.64**	**4.93**	30.9	93940
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hopkins Fertilizer Co.,	**New Albany, Ind.**
93292	†Old Time Red Banner Special.....	John H. Burba Co., Hodgenville .....
93570		C. M. Langdon, Science Hill .....
		Guaranteed .....
93294	†Old Time Royal Grain Grower.....	Walton Sanitary Flour Mills, Walton....
		Guaranteed .....
93821	†Old Time Potato Grower	C. M. Langdon, Science Hill .....
		Guaranteed .....
	International Agr. Corporation.	**Cincinnati, O., and Florence, Ala.**
93581	I. A. C. Truck and Potato Special	N. P. Hutson, Murray .....
		Guaranteed .....
93582	†I. A. C. Quality Producer Dark Tobacco Fertilizer	N. P. Hutson, Murray .....
		Guaranteed .....
93302	Multiple Strength 4-24-4	Woodson Lewis and Son, Greensburg....
		Guaranteed .....
93107	Multiple Strength 0-20-20	Manufacturer .....
		Guaranteed .....
93109	Multiple Strength 0-24-12	Manufacturer .....
		Guaranteed .....
93113	Buffalo Tobacco and Potato Grower	Manufacturer .....
		Guaranteed .....
	Joslin-Schmidt Corp. (Groves Fert.	**Wks.), Cincinnati, O.**
93601	†Square Brand 3-8-6	D. L. D. Sanderfer, Beaver Dam.....
93886		R. A. Mayhew Feed Co., Franklin .....
		Guaranteed .....
93604	†Special Tobacco Fertilizer	F. H. Gordon, Richmond .....
93605		G. M. Hedrick, Monticello .....
		Guaranteed .....
93607	Square Brand 4-8-8	Cayce-Yost Co., Hopkinsville .....
		Guaranteed .....
93613	†20% Superphosphate (Acid Phosphate)	H. D. Jones, Glasgow .....
		Guaranteed .....
93313	†2-27 Bone	Vine Grove Feed Co., Vine Grove.....
		Guaranteed .....
	Ky. Fertilizer Co., Br. Federal	**Chemical Co., Inc., Louisville, Ky.**
93615	†O. K. Corn, Wheat and Tobacco Grower	B. D. Jordan and Son, Flemingsburg.....
		Guaranteed .....
	Louisville Fertilizer Co., (Armour owned)	**Cincinnati, Nashville, Jeffersonville.**
93629	†Louisville Burley Tobacco Grower	Patrick Dillon, Hardinsburg .....
		Guaranteed .....
93630	†Louisville 20% Superphosphate.....	S. A. Browning, Vanceburg .....
		Guaranteed .....

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.40	0.20	9.60			0.22	1.13	1.37	1.36	0.65	21.3	93292
8.90	0.20	9.10			0.58	0.79	0.96	1.00	1.44	20.0	93570
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
11.75	0.40	12.15			0.31	0.67	0.81	1.44	1.64	24.7	93294
10.00	*2.00*	*12.00*				*1.23*	*1.50*	*3.00*		*24.3*	
8.10	0.55	8.65			1.95	2.36	2.87	4.60		27.3	93821
7.00	*1.00*	*8.00*				*2.47*	*3.00*	*7.00*		*29.2*	
9.35	0.90	10.25			0.77	1.22	1.48	8.30		29.2	93581
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*10.00*		*31.0*	
10.35	1.65	12.00			1.98	3.16	3.84	4.80		34.6	93582
11.00	*1.00*	*12.00*				*3.29*	*4.00*		*5.00*	*37.6*	
24.25	1.80	26.05			2.08	2.86	3.47	3.92		53.2	93302
24.00	*1.00*	*25.00*				*3.29*	*4.00*	*4.00*		*54.4*	
18.60	2.45	21.05						19.94		51.8	93107
20.00								*20.00*		*54.0*	
19.60	1.80	21.40						11.83		43.6	93109
24.00								*12.00*		*50.4*	
8.10	0.60	8.70			1.73	2.26	2.74	6.76		29.5	93113
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
9.95	1.35	11.30			1.64	2.18	2.65	5.45		30.7	93601
9.85	1.50	11.35			1.46	2.10	2.55	6.03		31.0	93886
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	
11.50	1.30	12.80			1.74	2.30	2.79	1.12	3.40	33.4	93604
9.95	1.15	11.10			1.45	2.05	2.49	3.20	2.97	31.9	93605
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
9.80	1.45	11.25			1.20	2.49	3.02	10.68		38.1	93607
8.00	*1.00*	*9.00*				*3.29*	*4.00*	*8.00*		*35.2*	
19.05	1.70	20.75								23.0	93613
20.00										*24.0*	
		32.55	100			1.20	1.46			37.4	93313
		27.00				*1.65*	*2.00*			*33.6*	
9.15	1.70	10.85			0.54	0.98	1.19	2.21		21.0	93615
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
8.25	0.65	8.90			1.72	2.22	2.70	4.84	0.59	28.2	93629
8.60	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
18.85	0.85	19.70								22.6	93630
20.00										*24.0*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., (Armour-owned)	**Cincinnati, Nashville, Jeffersonville —Con.**
93331	Louisville Bone Meal	F. M. Mitchell, Scottsville Guaranteed
	National Chemical Co.,	**Louisville, Ky.**
93636	Big Pay Champion 2-12-2	Farmers Supply Co., Stanford Guaranteed
93637	Big Pay Spl. Tobacco and Potato Grower 3-8-6	Augusta Conf. and Storage Co., Augusta Guaranteed
	North American Fertilizer Co.,	**Inc., Louisville, Ky.**
93642	†N. A. Crady's Formula 1-11-3	John A. Sheehan, Falmouth Guaranteed
93644	†N. A. Ky. Spl. Tobacco Grower 2-8-5	Aaron L. Moore and Son, Leitchfield Guaranteed
93648	N. A. Tomato and Tobacco Fertilizer 2-12-6	Banks Hudson Co., Danville Guaranteed
93346	†N. A. Spl. Tobacco and Potato Fertilizer 3-8-6	A. G. Miller and Co., Magnolia Guaranteed
93650	†N. A. Spl. Tobacco and Potato Grower 3-8-6	L. C. Littrell, Owenton Guaranteed
93353	N. A. Raw Bone 4½-22-0	Grigsby & Co., Bardstown
93925		Aaron L. Moore and Son, Leitchfield Guaranteed
	Price Chemical Co., Inc.,	**Louisville. Ky.**
93660	†3-8-6 Tobacco Grower	B. D. Jordan and Son, Flemingsburg Guaranteed
92640	Raw Bone	Manufacturer Guaranteed
92642	Steamed Bone Meal 3-24	Manufacturer Guaranteed
	Rasin Monumental Co., Sub. of Va.-Car. Chem. Corp.,	**Cincinnati, O., and Nashville, Tenn.**
93057	Rasin's Potato and Truck	Manufacturer Guaranteed
	Read Phosphate Co.,	**Nashville, Tenn.**
93856	†Red Diamond Special	Guenther Hdw. Co., Owensboro Guaranteed
93377	†Farmers Special Manure	Phelps and Medaris, Esto Guaranteed
93669	Premium Tobacco Grower	Fenley Hdw. Co., Madisonville Guaranteed
93379	H. Gr. Truck and Tobacco Special	Hollingsworth-Young Hdw. Co., Bowling Green
93670		A. H. Dawson, Owingsville Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
		24.30	87	13		3.33	4.04			37.6	93331
		27.00				*2.47*	*3.00*			*36.9*	
11.60	3.35	14.95			0.71	**1.25**	1.52	2.51		26.8	93636
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
8.95	1.25	10.20			1.69	2.45	2.97	**3.68**	**1.02**	**29.7**	93637
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
11.35	2.05	13.40			0.54	0.92	1.12	**2.38**		24.4	93642
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
8.80	2.00	10.80			1.03	1.68	2.04	**3.73**		25.2	93644
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
11.90	2.00	13.90			1.21	1.78	2.16	**5.07**		31.9	93648
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
8.85	1.30	10.15			1.64	2.40	2.91	**5.28**		29.7	93346
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
9.85	0.65	10.50			1.54	2.28	2.77	**0.56**	**4.54**	31.6	93650
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
		18.10	82	18		3.74	4.54			**33.1**	93353
		18.40	80	20		3.85	4.67			**33.8**	93925
		22.00				*3.71*	*4.50*			*36.8*	
9.30	0.50	9.80			1.72	2.40	2.91	5.39		**30.2**	93660
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
		19.50	80	20		3.97	4.82			**35.4**	92640
		22.00				*3.71*	*4.50*			*36.8*	
		30.90	88	12		**1.43**	1.74			36.6	92642
		24.00				*2.47*	*3.00*			*33.9*	
13.45	1.65	15.10			1.56	**1.83**	2.22	4.99		34.2	93057
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
9.90	5.50	15.40			1.52	**1.82**	2.21	3.44		**28.5**	93856
10.00	*3.00*	*13.00*				*2.47*	*3.00*	*3.00*		*29.7*	
10.90	6.50	17.40			0.76	0.96	1.17	**2.46**		25.7	93377
10.00	*4.00*	*14.00*				*0.82*	*1.00*	*3.00*		*23.5*	
10.15	9.35	19.50			1.27	**1.27**	1.55	**0.56**	**3.51**	30.0	93669
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*5.00*		*26.2*	
10.60	3.60	14.20			1.94	2.49	3.02	**4.96**	**2.22**	36.6	93379
9.20	6.30	15.50			1.22	1.63	1.98	**4.00**	**3.20**	32.4	93670
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*8.00*	*32.2*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Read Phosphate Co.,	**Nashville, Tenn.—Con.**
93675	H. Gr. Red Diamond Potato Grower	Guenther Hdw. Co., Owensboro Guaranteed
	Tennessee Chem. Co., (Armour owned)	**Cin., Nash., Jeffersonville.**
93691	†Ox 4-12-8 Guano	Young Hdw. Co., Hopkinsville Guaranteed
93693	Ox Big Tobacco Maker	Smith and Reynolds Co., Slaughter Guaranteed
93864	Ox Multiphos	Morganfield Hdw. and Grocery Co., Morganfield Guaranteed
	Tennessee Coal, Iron and R. R. Co.,	**Birmingham, Ala.**
93865	†16% Duplex Basic Phosphate	Farm Bureau Supply Co., Elizabethtown Guaranteed
	Virginia-Carolina Chemical Corp.,	**Cincinnati, O., and Nashville, Tenn.**
93869	V.-C. Farmer's Friend 1-8-3	Estes and Hines, Science Hill Guaranteed
93724	Mt. Pleasant Tobacco and Truck Grower	J W. Spurrier and Sons, Whitesville Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.55	6.45	17.00			1.45	1.66	2.02	**7.22**		33.7	93675
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*8.00*		*29.8*	
12.20	2.60	14.80			2.68	**2.88**	3.50	**6.56**	**1.49**	**41.0**	93691
12.00	*0.50*	*12.50*				*3.29*	*4.00*	*8.00*		*43.4*	
9.30	5.35	14.65			1.97	2.54	3.08		**4.99**	32.2	93693
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
40.95	1.65	42.60								**49.1**	93864
45.00										*54.0*	
		14.70								**17.6**	93865
		16.00								*19.2*	
6.65	12.15	18.80			0.56	0.82	1.00	2.91		21.6	93869
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
8.60	11.80	20.40			1.32	**1.62**	1.97	**2.27**		**26.8**	93724
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	